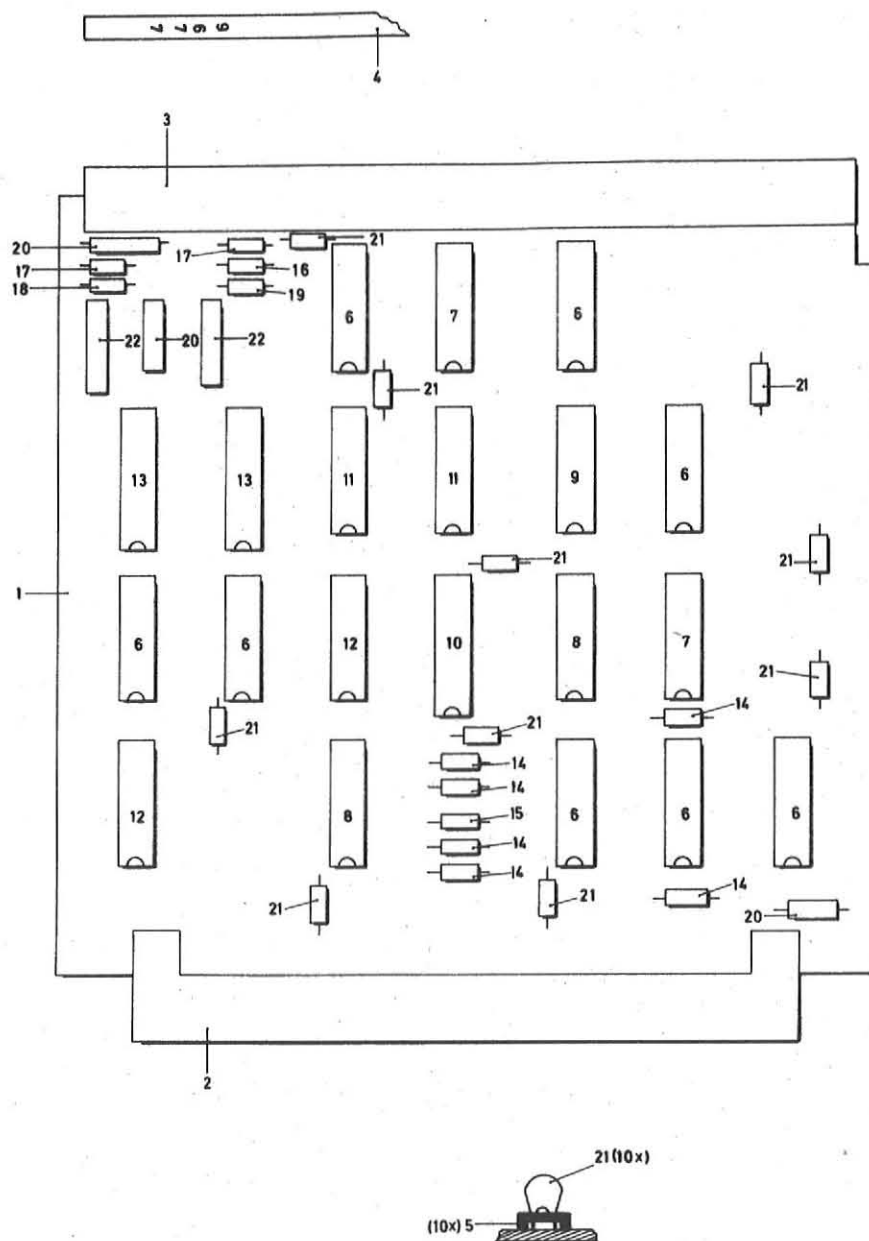


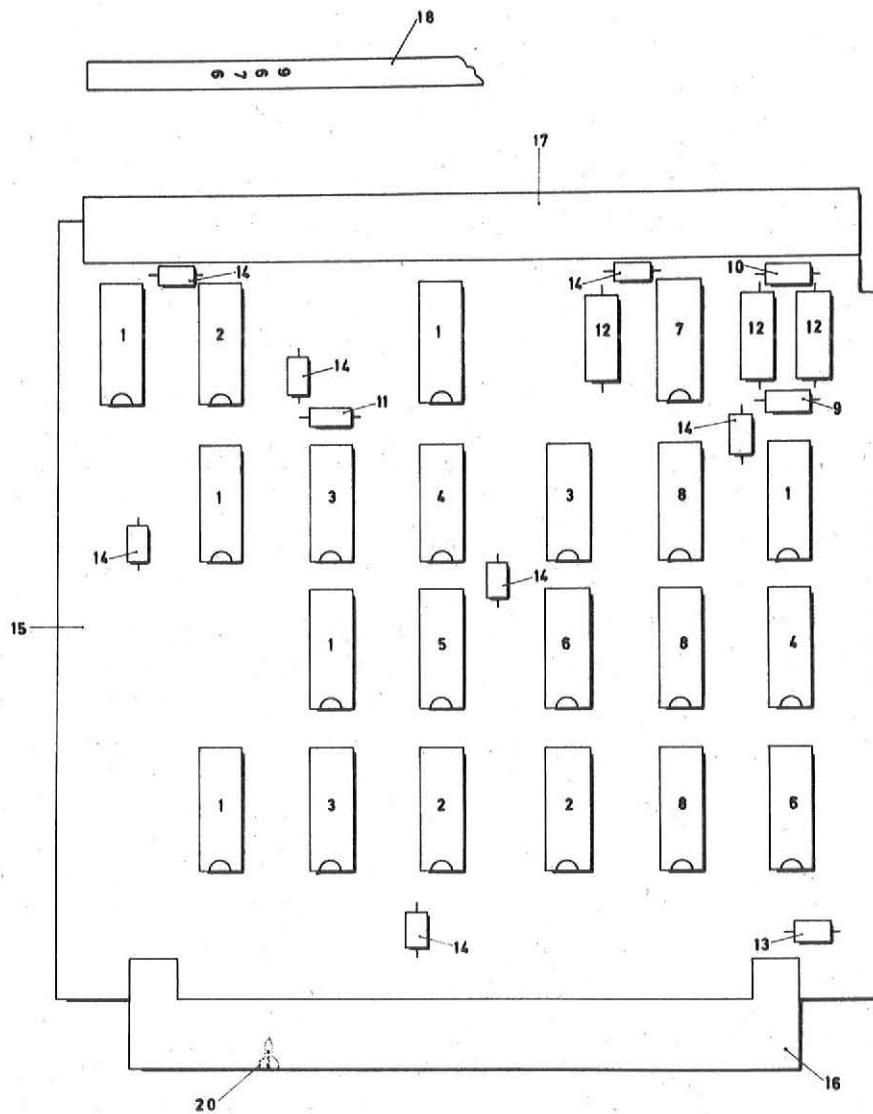
PCBA, READ PREAMPLIFIER

Item nr	Part number	Description	Qty. per ass'y
47C	2322 151 52133	Resistor, 21K5, 1% 125mW	1
48C	2322 151 52151	Resistor, 215 ohm, 1% 125mW	1
49C	2322 151 53161	Resistor, 316 ohm, 1% 125mW	3
50C	2322 151 55621	Resistor, 562 ohm, 1% 125mW	1
51C	2411 021 01213	Contact socket, 39535	5

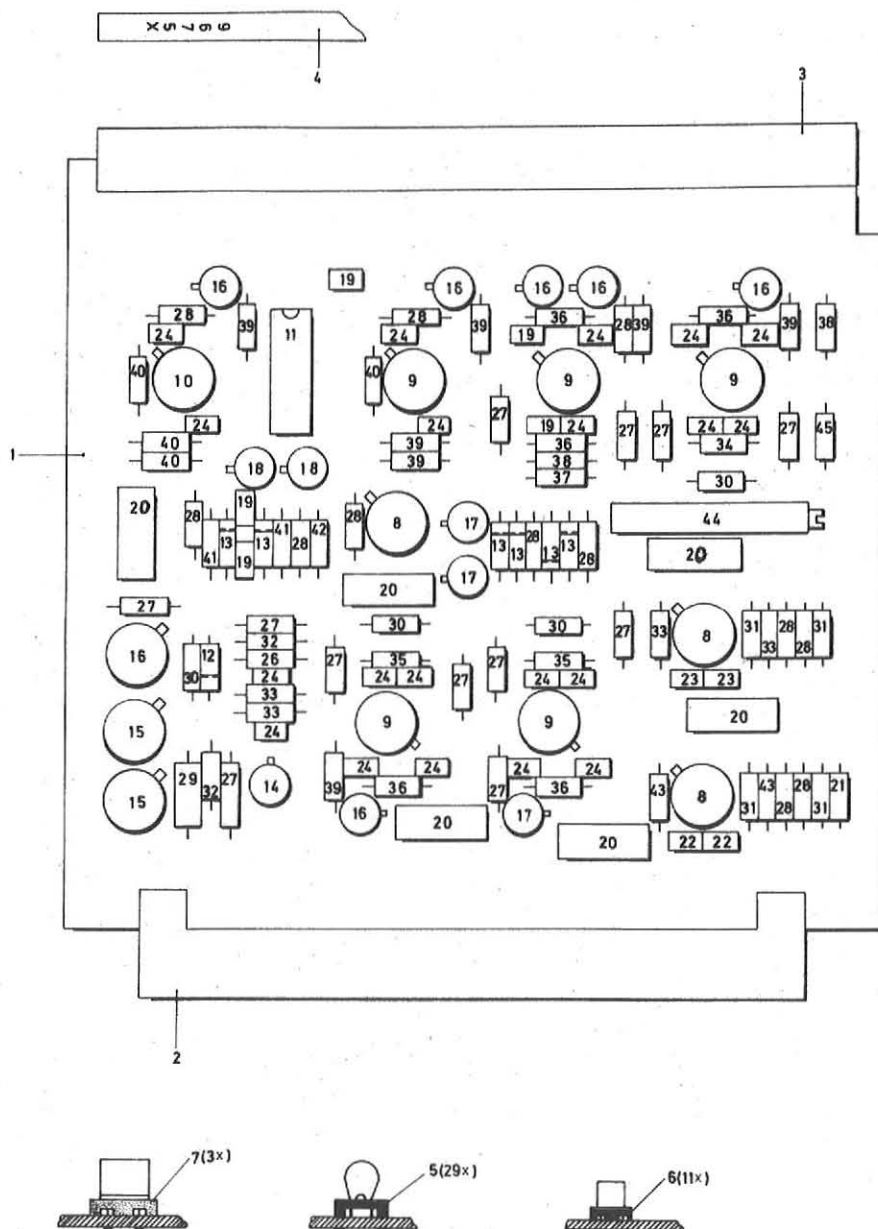
PCBA, START-STOP: 1L98



Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96770	PCBA, start-stop 1L98	1
1C	5122 200 36850	Board, 4244	1
2C	2422 025 89116	Connector, 64-pole	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44480	Text-strip	1
5C	3522 103 77401	Base, capacitor	10
6C	9380 000 00000	Integrated circuit, SN74 00N	8
7C	9380 001 00000	Integrated circuit, SN74 10N	2
8C	9380 000 60000	Integrated circuit, SN74 04N	2
9C	9380 002 70000	Integrated circuit, SN74 54N	1
10C	9380 018 10000	Integrated circuit, SN74 H106N	1
11C	9380 003 20000	Integrated circuit, SN74 74N	2
12C	9380 000 20000	Integrated circuit, SN74 02N	2
13C	9380 005 50000	Integrated circuit, SN74 123N	2
14C	2322 151 58251	Resistor, 825 ohm, 1% 125mW	6
15C	2322 151 51003	Resistor, 10K 1% 125mW	1
16C	2322 151 51211	Resistor, 121 ohm 1% 125mW	1
17C	2322 151 51783	Resistor, 17K8 1% 125mW	2
18C	2322 151 52873	Resistor, 28K7, 1% 125mW	1
19C	9330 228 60112	Diode, BAX13	1
20C	2222 143 14478	Capacitor, Tantalum, 4,7 μ F 20% 10V	3
21C	2222 629 02103	Capacitor, CER, 10.000pF -20/+100% 40V	10
22C	2222 344 90101	Capacitor, MPR, 0,1 μ F 10% 100V	2

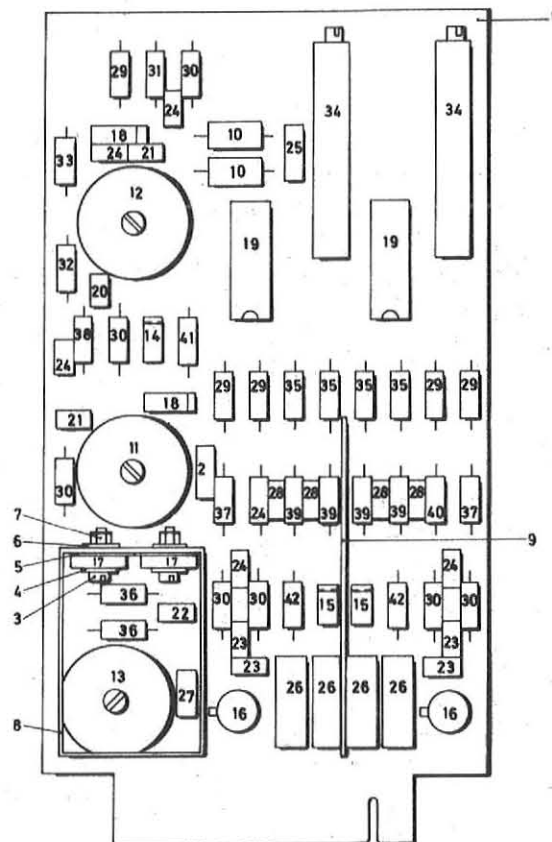


Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96760	PCBA 1L97	1
1C	9380 000 00000	Integrated circuit, SN7400N	6
2C	9380 000 60000	Integrated circuit, SN7404N	3
3C	9380 001 00000	Integrated circuit, SN7410N	3
4C	9380 000 20000	Integrated circuit, SN7402N	2
5C	9380 001 40000	Integrated circuit, SN7420N	1
6C	9380 003 20000	Integrated circuit, SN7474N	2
7C	9380 005 50000	Integrated circuit, SN74123N	1
8C	9380 014 50000	Integrated circuit, SN74197N	3
9C	2322 151 53163	Resistor, 31K6, $\pm 1\%$ 125mW	1
10C	2322 151 53833	Resistor, 38K3, $\pm 1\%$ 125mW	1
11C	2322 151 58251	Resistor, 825 ohm $\pm 1\%$ 125mW	1
12C	2222 344 90101	Capacitor, MPR, 0.1 μ F, $\pm 1\%$ 100V	3
13C	2222 143 15338	Capacitor, Tantalum, 3.3 μ F $\pm 20\%$ 15V	13
14C	2222 629 02103	Capacitor, CER, 10.000pF, $-20/+100\%$ 40V	7
15C	5122 200 36840	Board, 4243	1
16C	2422 025 89116	Connector, 64-pole	1
17C	4022 191 06080	Front-strip	1
18C	5122 200 44460	Text-strip	1
19C	3522 103 77401	Base, capacitor	7
20C	4332 026 10840	Key, pin	1



Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96750	PCBA, window 1M67	1
1C	5122 200 36830	Board, 2127	1
2C	2422 025 89116	Connector, 64 po/c, FO54	1
3C	4022 191 06080	Front strip	1
4C		Text strip	
5C	3522 103 77401	Base, Capacitor	29
6C	9390 155 30715	Foot, Transistor, T0-18	11
7C	4022 027 35021	Foot, Transistor, T0-5	3
8C	9331 370 00112	Integrated circuit, TBA 221	3
9C	5122 000 05170	Integrated circuit, μ A711C	4
10C	9331 057 90682	Integrated circuit, μ A710C	2
11C	9380 000 60000	Integrated circuit, SN7404N	1
12C	9331 177 40112	Diode, BZX79-C6V2	1
13C	9330 228 60112	Diode, BAX13	6
14C	9330 566 60112	Transistor, BCY 87	1
15C	9330 226 40112	Transistor, 2N2905	2
16C	9330 219 20112	Transistor, B5x20	8
17C	9331 331 70112	Transistor, BSV79	2
18C	9330 441 00112	Transistor, BCY70	2
19C	2222 629 02103	Capacitor, CER, 10.000pF -20/+100% 40V	5
20C	2222 344 90101	Capacitor, MRD, 0,1 μ F 10% 100V	4
21C	2222 143 15338	Capacitor, Tantalum, 3,3 μ F 20% 15V	1
22C	2222 630 01222	Capacitor, CER, 2200 pF, 10% 100V	2
23C	2222 630 01122	Capacitor, CER, 1200 pF, 10% 100V	2
24C	2222 629 02103	Capacitor, CER, 10.000 pF -20/+100% 40V	5
25C			
26C	2322 151 52151	Resistor, 215 ohm, 1% 125mW	1
27C	2322 151 51002	Resistor, 1K, 1% 125mW	12
28C	2322 151 54642	Resistor, 4K64, 1% 125mW	10
29C	2322 151 56819	Resistor, 68E1, 1% 125mW	1
30C	2322 151 55621	Resistor, 562 ohm, 1% 125mW	4
31C	2322 151 55622	Resistor, 5K62, 1% 125mW	4
32C	2322 151 51211	Resistor, 121 ohm, 1% 125mW	2
33C	2322 151 54641	Resistor, 464 ohm, 1% 125mW	4
34C	2322 151 54649	Resistor, 316 ohm, 1% 125mW	1
35C	2322 151 53161	Resistor, 316 ohm, 1% 125mW	2
36C	2322 151 51782	Resistor, 1K78, 1% 125mW	5
37C	2322 151 58251	Resistor, 825 ohm, 1% 125mW	1
38C	2322 151 51212	Resistor, 1K21, 1% 125mW	2
39C	2322 151 51002	Resistor, 1K, 1% 125mW	9
40C	2322 151 56812	Resistor, 6K81, 1% 125mW	2
41C	2322 151 54643	Resistor, 46K4, 1% 125mW	2
42C	2322 151 52152	Resistor, 2K15, 1% 125mW	1
43C	2322 151 51473	Resistor, 14K7, 1% 125mW	2
44C	2122 350 00003	Potentiometer, 2K 1W	1
45C	2322 151 51001	Resistor, 100 ohm 1% 125mW	1

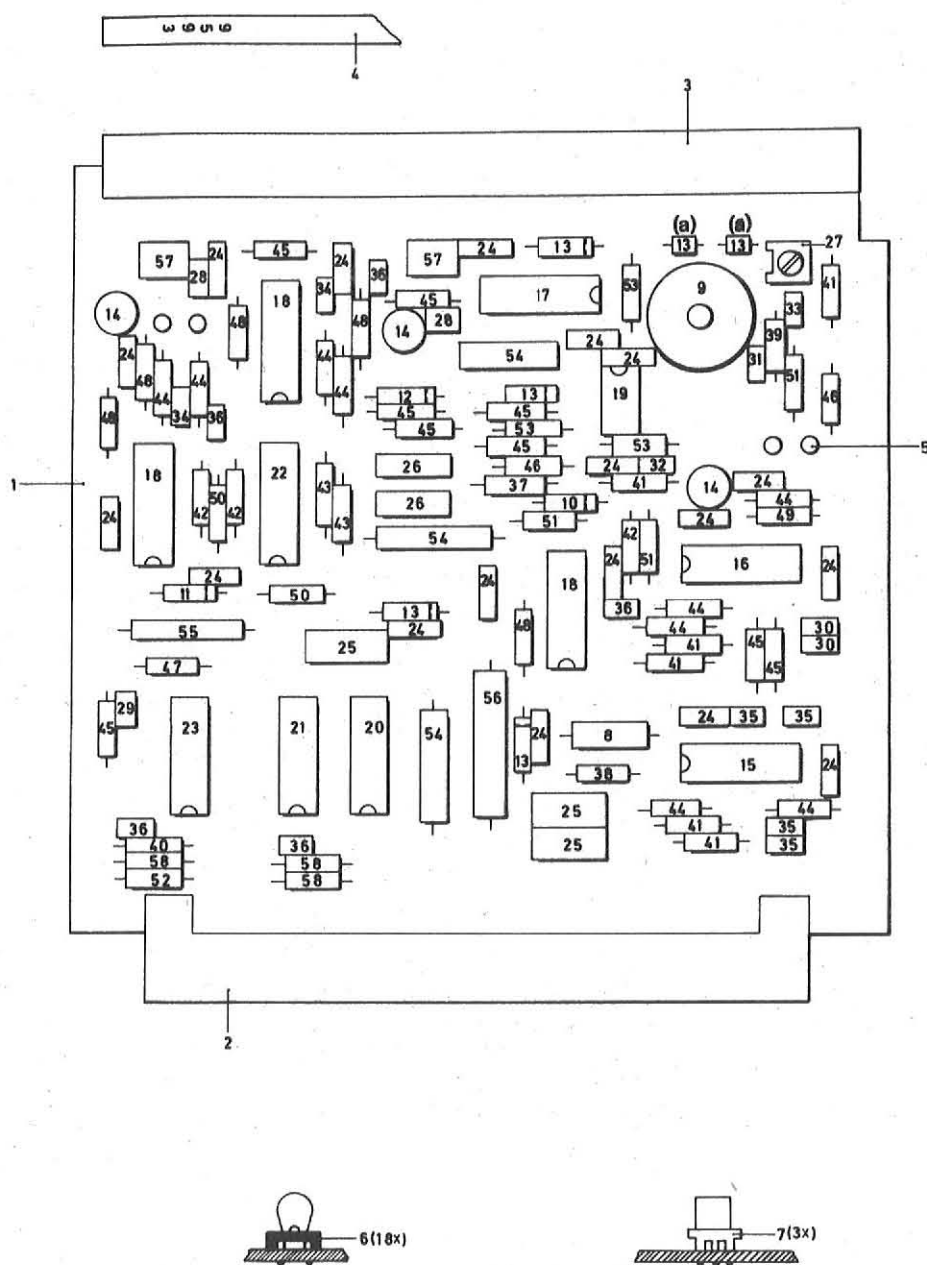
PCBA MEANDER



PCBA MEANDER

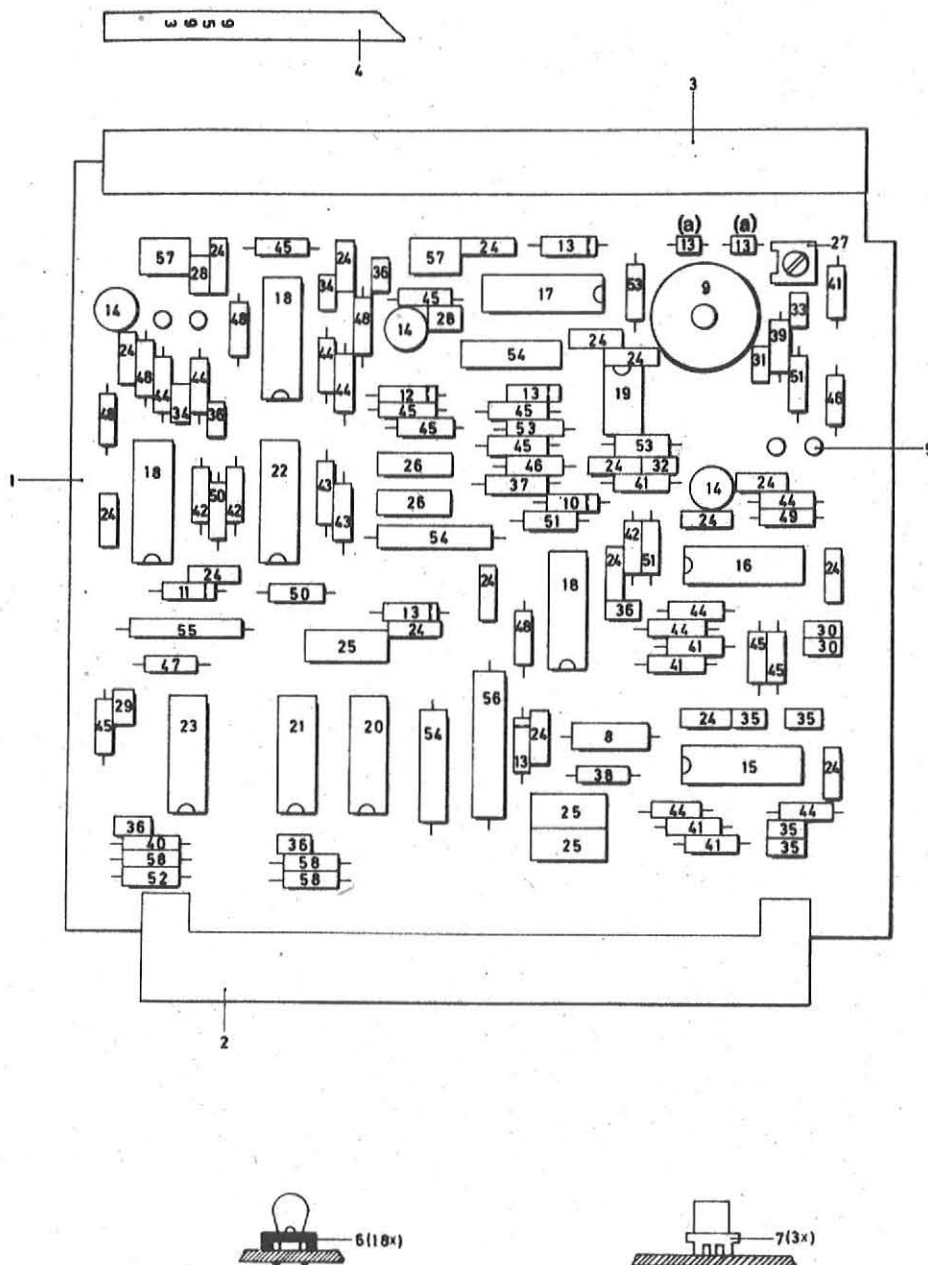
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 282 51550	PCBA Meander	1
1C	5122 223 31550	Board	1
2C	3522 103 77401	Base, capacitor	17
3C	2522 004 02025	Screw, M3x8	2
4C	2522 600 16017	Washer, 3,2x7	2
5C	5122 200 05380	Ring, Mica	2
6C	2522 613 01005	Spring ring	2
7C	2522 401 60008	Nut, M3	2
8C	5122 200 04420	Screening housing	1
9C	5122 200 04410	Screening plate	1
10C	2422 535 00221	Coil, 220 μ H	2
11C	5122 289 83420	Potcore, Assy	1
12C	5122 289 83400	Potcore, Assy	1
13C	5122 289 83440	Potcore, Assy	1
14C	9331 321 10112	Diode, BZX75 - C1V4	1
15C	9331 177 30112	Diode, BZX79 - C5V6	2
16C	9330 912 60112	Transistor, BCY87	2
17C	9330 912 20112	Transistor, BD139	2
18C	9330 886 10112	Transistor, BSW69	2
19C	9331 726 90682	Integrated circuit, CA 3054	2
20C	2222 631 58569	Capacitor, CER, 56pF \pm 2%, 63V	1
21C	2222 631 58101	Capacitor, CER, 100pF \pm 2%, 63V	2
22C	2222 630 01681	Capacitor, CER, 680pF \pm 10%, 100V	1
23C	2222 630 01332	Capacitor, CER, 3300pF \pm 10%, 100V	4
24C	2222 629 02103	Capacitor, CER, 10000pF -20/+100% 40V	5
25C	2222 629 03223	Capacitor, CER, 22000pF -20/+100% 40V	2
26C	2222 344 41223	Capacitor, MPR, 0.022 μ F \pm 10% 250V	4
27C	2222 143 17108	Capacitor, Electrolytetantalum 1 μ F \pm 20% 35V	1
28C	2222 631 10109	Capacitor, CER, 10pF \pm 2% 63V	4
29C	2322 151 53832	Resistor, 3K83 \pm 1% 125mW	5
30C	2322 151 55622	Resistor, 5K62 \pm 1% 125mW	7
31C	2322 151 54642	Resistor, 4K64 \pm 1% 125mW	1
32C	2322 151 58252	Resistor, 8K25 \pm 1% 125mW	1
33C	2322 151 52613	Resistor, 26K1 \pm 1% 125mW	1
34C	2122 350 00034	Potentiometer, 200 ohm 1W	2
35C	2322 151 51009	Resistor, 10 ohm 1% 125mW	4
36C	2322 151 52619	Resistor, 26E1 1% 125mW	2
37C	2322 151 51001	Resistor, 100 ohm 1% 125mW	2
38C	2322 151 51471	Resistor, 147 ohm 1% 125mW	1
39C	2322 151 53831	Resistor, 383 ohm 1% 125mW	4
40C	2322 151 51002	Resistor, 1K 1% 125mW	2
41C	2322 151 58251	Resistor, 825 ohm 1% 125mW	1
42C	2322 151 53162	Resistor, 3K16 1% 125mW	2

PCBA, READ RECOVERY 1M63



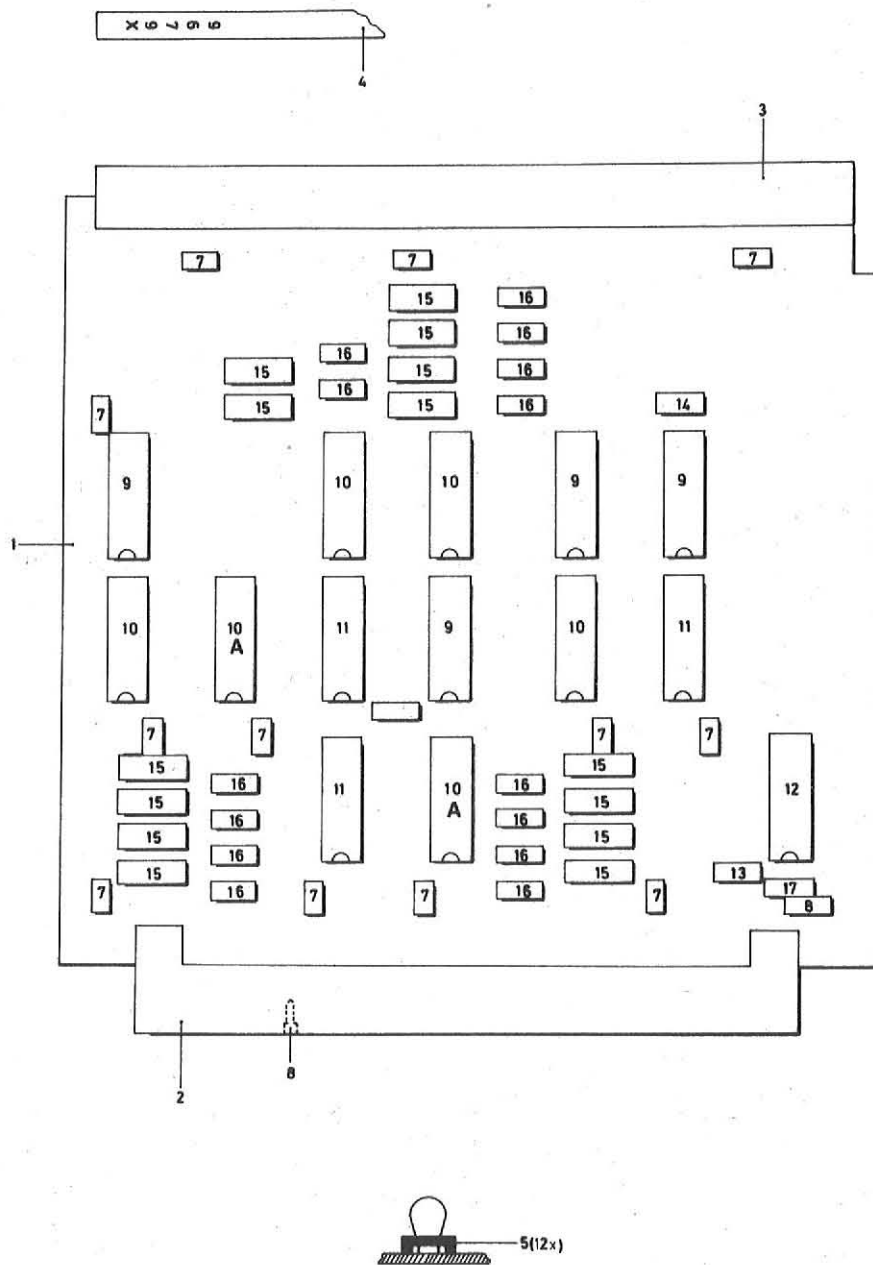
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final Assembly	1
B	5122 289 95930	PCBA, Read Recovery 1M63	1
1C	5122 200 36030	Board, 2120	1
2C	2422 025 89116	Connector, 64-pole, FO54	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44420	Text-strip, 1M63	1
5C	2422 034 10892	Pin, locking	4
6C	3522 103 77401	Base, capacitor	18
7C	9390 155 30112	Foot, transistor, TO-18	3
8C	2420 535 00221	Coil, Micro choke, 220 μ H	1
9C	5122 283 31110	Pot core, assy, 40 μ H	1
10C	9331 185 60112	Diode, BAV10	1
11C	9331 177 10112	Diode, BZX79-C4V7	1
12C	9331 177 30112	Diode, BZX79-C5V6	1
13C	9331 177 40112	Diode, BZX79-C6V2	4
13C-(a)	9331 377 40112	Varicap, 4BB106	1/2
14C	9330 219 80112	Transistor, BSX20	3
15C	9331 261 20682	Integrated circuit, U6A.7760.393	1
16C	9331 057 70682	Integrated circuit, U6A.7711.393	1
17C	9331 085 80682	Integrated circuit, U6A.7733.393	1
18C	9331 648 00682	Integrated circuit, U6A.7710.393	3
19C	9332 174 90682	Integrated circuit, U9T.7741.393	1
20C	9380 003 20000	Integrated circuit, SN7474N	1
21C	9380 009 50000	Integrated circuit, SN7438N	1
22C	9331 701 20112	Integrated circuit, GJH231	1
23C	9380 005 40000	Integrated circuit, SN74121N	1
24C	2222 629 03223	Capacitor, CER, 22nF, -20/+100% 40V	18
25C	2222 344 90101	Capacitor, MPR, 0,1 μ F, 10% 100V	3
26C	2222 426 45101	Capacitor, Micropoco, 510 pF, 1% 250V	2
27C	2222 809 05003	Capacitor, trimmer, 18pF	1
28C	2222 631 10109	Capacitor, CER, 10pF, 2% 100V	2
29C	2222 631 10399	Capacitor, CER, 39pF, 2% 63V	1
30C	2222 631 10101	Capacitor, CER, 100pF, 2% 63V	2
31C	2222 631 70391	Capacitor, CER, 390pF, 2% 63V	1
32C	2222 630 01122	Capacitor, CER, 1200pF, 10% 100V	1
33C	2222 630 01222	Capacitor, CER, 2200pF, 10% 100V	1
34C	2222 630 01332	Capacitor, CER, 3300pF, 10% 100V	2
35C	2222 630 01472	Capacitor, CER, 4700pF, 10% 100V	4
36C	2222 629 01103	Capacitor, CER, 10nF, -20/+100% 40V	4
37C	2322 151 51009	Resistor, 10 ohm, 1% 125mW	1
38C	2322 151 52159	Resistor, 21,5 ohm, 1% 125mW	1
39C	2322 151 53169	Resistor, 31,6 ohm, 1% 125mW	1
40C	2322 151 55629	Resistor, 56,2 ohm, 1% 125mW	1
41C	2322 151 51001	Resistor, 100 ohm, 1% 125mW	6
42C	2322 151 54641	Resistor, 464 ohm, 1% 125mW	3
43C	2322 151 55621	Resistor, 562 ohm, 1% 125mW	2
44C	2322 151 58251	Resistor, 825 ohm, 1% 125mW	9
45C	2322 151 51002	Resistor, 1K, 1% 125mW	9
46C	2322 151 51212	Resistor, 1K21, 1% 125mW	2

PCBA, READ RECOVERY 1M63



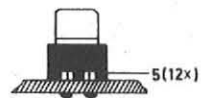
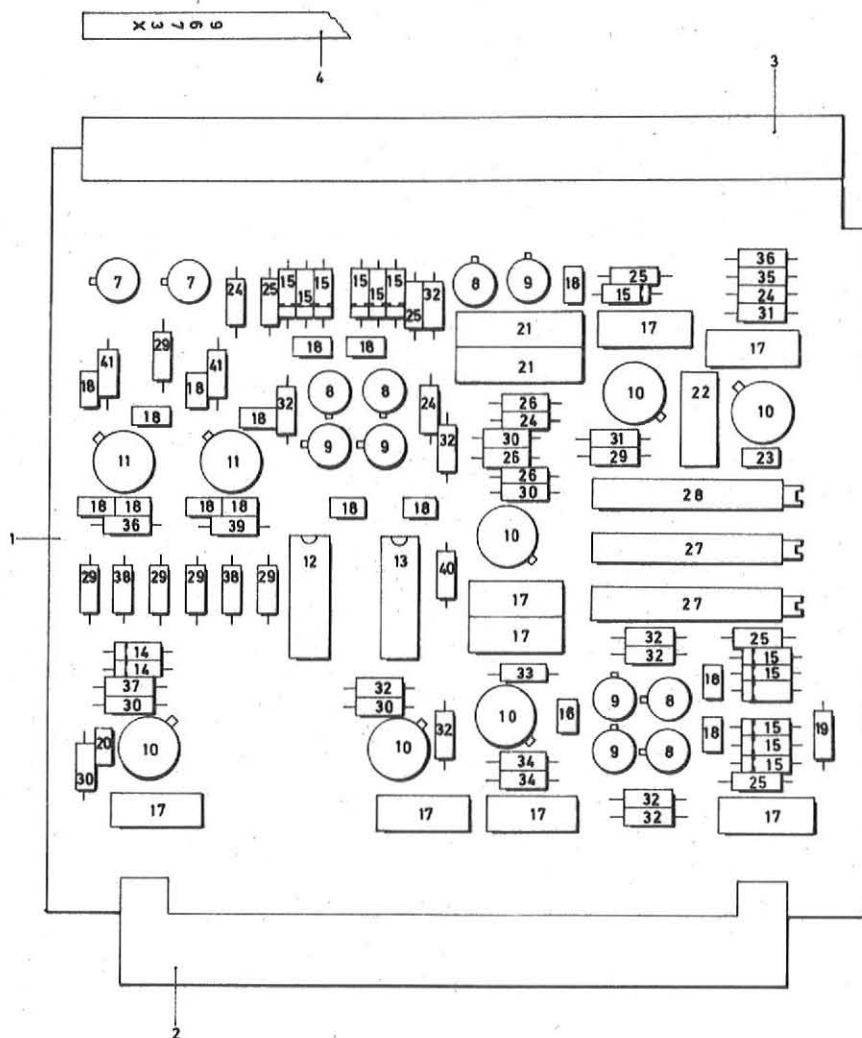
Item nr	Part number	Description	Qty. per ass'y
47C	2322 151 52152	Resistor, 2K15, 1% 125mW	1
48C	2322 151 52612	Resistor, 2K61, 1% 125mW	5
49C	2322 151 53832	Resistor, 3K83, 1% 125mW	1
50C	2322 151 54642	Resistor, 4K64, 1% 125mW	2
51C	2322 151 55622	Resistor, 5K62, 1% 125mW	3
52C	2322 151 51003	Resistor, 10K, 1% 125mW	1
53C	2322 151 51213	Resistor, 12K1, 1% 125mW	3
54C	2322 153 51471	Resistor, 147 ohm, 1% 500mW	3
55C	2322 153 52151	Resistor, 215 ohm, 1% 500mW	1
56C	2322 171 18259	Resistor, 82,5 ohm, 1% 750mW	1
57C	2113 375 00056	Potentiometer, 5K	2
58C	2322 151 53831	Resistor, 383 ohm, 1% 125mW	3

PCBA, INTERFACE - 2L00

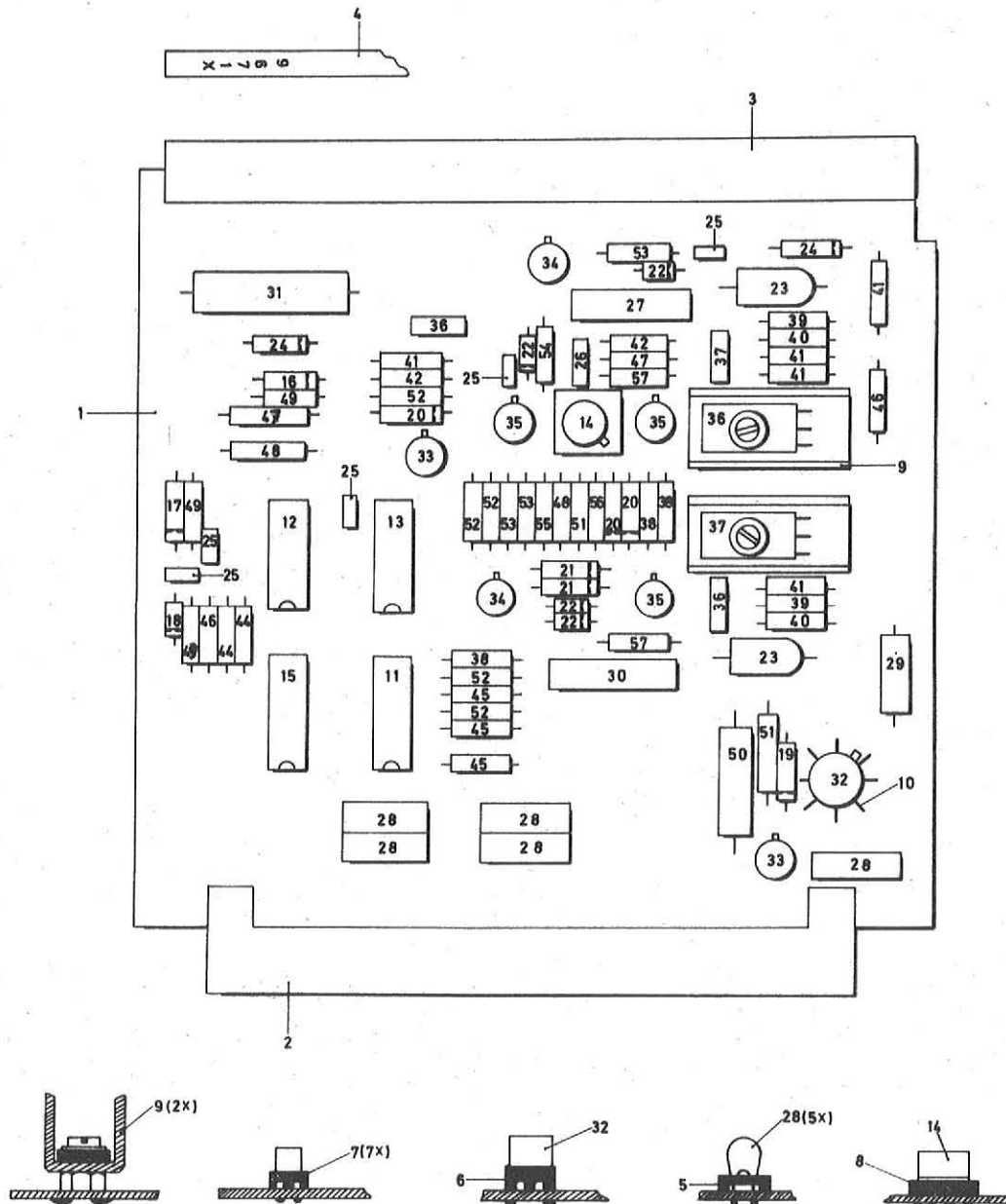


PCBA, INTERFACE-2L00

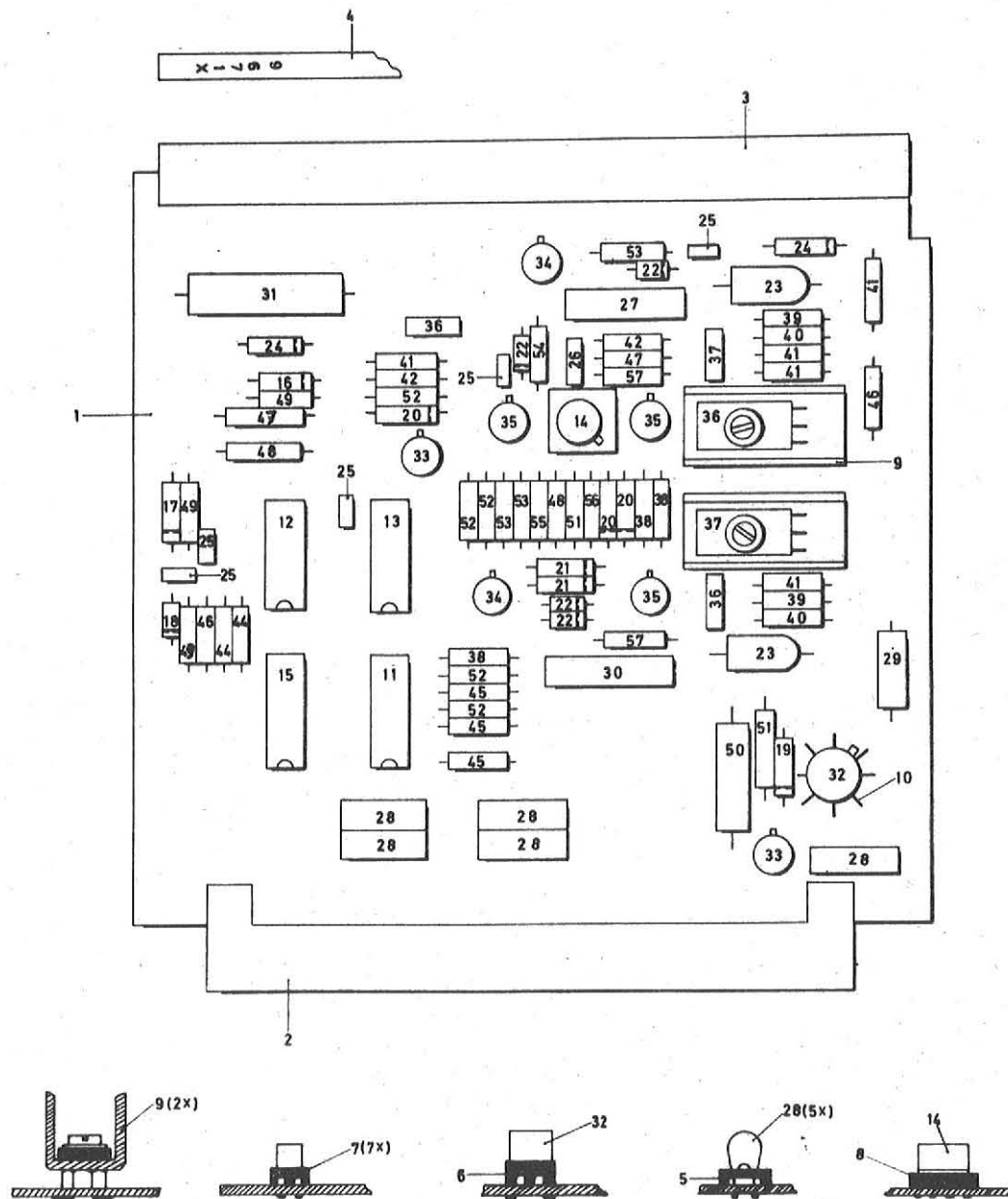
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96790	PCBA, interface - 2L00	1
1C	5122 200 36870	Board, 4246	1
2C	2422 025 89116	Connector, 64-pole, F054	1
3C	4022 191 06080	Front-strip	1
4C		Text-strip	1
5C	3522 103 77401	Base, capacitor	12
6C	4332 026 10840	Pin, locking	1
7C	2222 629 02103	Capacitor, CER, 10.000pF, -20/+100% 40V	12
8C	2222 143 15338	Capacitor, Electrolyte Tantalum, 3,3 μ F 20% 15V	1
9C	9380 000 00000	Integrated circuit, SN7400N	4
10C	9380 005 60000	Integrated circuit, SN74132N	4
10C-A	9380 000 60000	Integrated circuit, SN7404N	2
11C	9380 009 50000	Integrated circuit, SN7438N	3
12C	9380 018 20000	Integrated circuit, SN74HOON	1
13C	2322 151 53169	Resistor, 31,6 ohm, 1% 125mW	1
14C	2322 151 58251	Resistor, 825 ohm, 1% 125mW	2
15C	2322 152 51471	Resistor, 147 ohm, 1% 250mW	14
16C	2322 151 55621	Resistor, 562 ohm, 1% 125mW	14
17C	2322 151 53832	Resistor, 3K83, 1% 125mW	1



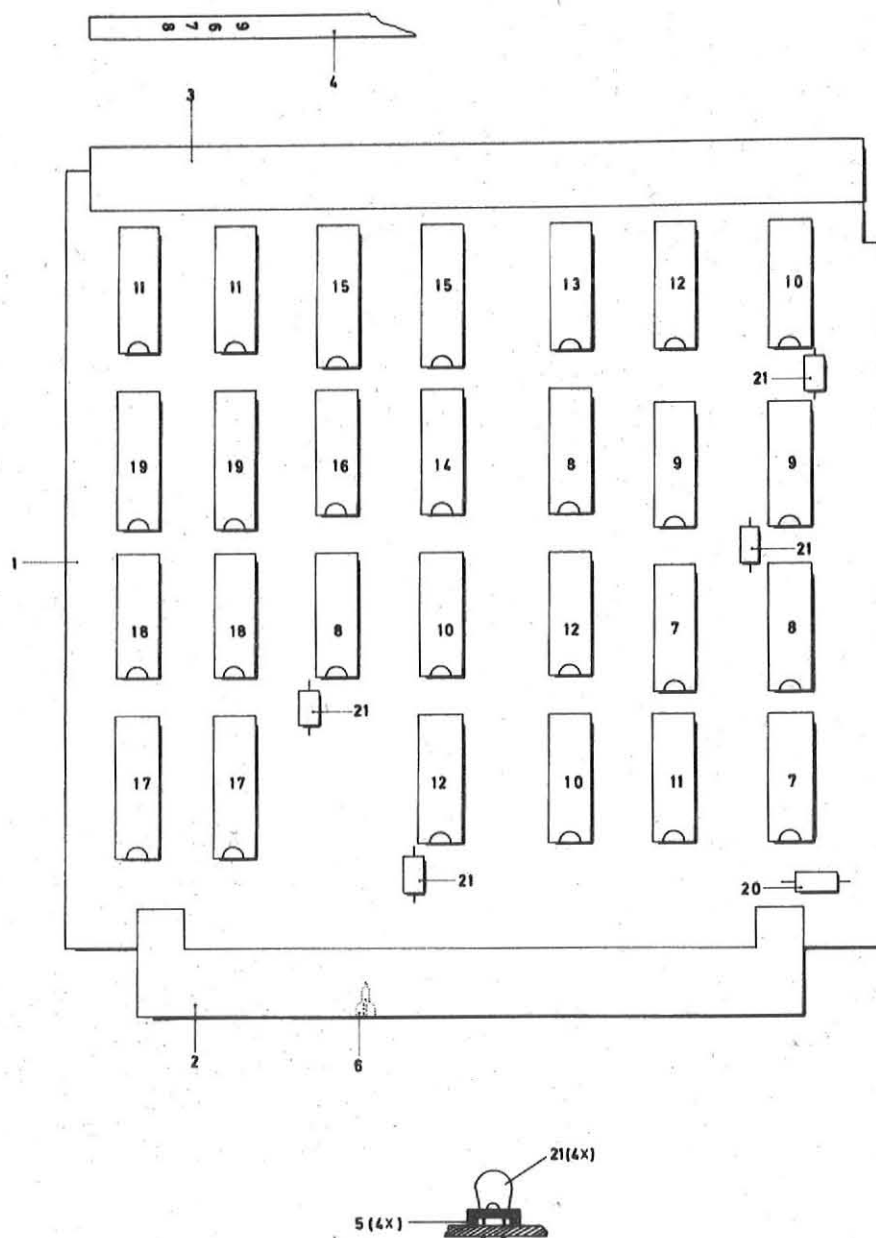
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96730	PCBA, 1M65	1
1C	5122 200 36810	Board, 2125	1
2C	2422 025 89116	Connector, 64-pole, F054	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44490	Text-strip, 1M65	1
5C	9390 155 30715	Foot, Transistor, TO-18	12
6C	3522 103 77401	Base, capacitor,	18
7C	9330 219 20112	Transistor, BSX20	2
8C	9330 441 00112	Transistor, BCY70	5
9C	9331 331 70112	Transistor, BSV79	5
10C	9331 370 00112	Integrated circuit, TBA 221	6
11C	5122 000 05170	Integrated circuit, μ A711C	2
12C	9380 000 60000	Integrated circuit, SN7404N	1
13C	9380 000 00000	Integrated circuit, SN7400N	1
14C	9331 321 40112	Stabistor, BZX75 - C3V6	2
15C	9330 228 60112	Diode, BAX 13	13
16C	2222 630 01222	Capacitor, CER, 2200pF, 10% 100V	1
17C	2222 344 90101	Capacitor, MPR, 0,1 μ F, 10% 100V	8
18C	2222 629 02103	Capacitor, CER, 10000pF, -20/100% 40V	15
19C	2222 143 15338	Capacitor, EL.Tantalium, 3,3 μ F, 20% 15V	1
20C	2222 630 01332	Capacitor, CER, 3300pF, 10% 100V	1
21C	2222 344 21334	Capacitor, MPR, 0,33 μ F, 10% 100V	2
22C	2222 344 41103	Capacitor, MPR, 0,01 μ F, 10% 250V	1
23C	2222 630 01102	Capacitor, CER, 1000pF, 10% 100V	1
24C	2322 151 51783	Resistor, 17K8, 1% 125mW	4
25C	2322 151 54643	Resistor, 46K4, 1% 125mW	4
26C	2322 151 52153	Resistor, 21K5, 1% 125mW	3
27C	2122 350 00003	Potentiometer, 2K, 1W	2
28C	2122 350 00035	Potentiometer, 1K, 1W	1
29C	2322 151 51002	Resistor, 1K, 1% 125mW	6
30C	2322 151 52151	Resistor, 2K15, 1% 125mW	5
31C	2322 151 51003	Resistor, 10K, 1% 125mW	2
32C	2322 151 54642	Resistor, 4K64, 1% 125mW	9
33C	2322 151 53832	Resistor, 3K83, 1% 125mW	1
34C	2322 151 51473	Resistor, 14K7, 1% 125mW	2
35C	2322 151 51001	Resistor, 100 ohm, 1% 125mW	1
36C	2322 151 51212	Resistor, 1K21, 1% 125mW	2
37C	2322 151 55623	Resistor, 56K2, 1% 125mW	1
38C	2322 151 55621	Resistor, 562 ohm, 1% 125mW	2
39C	2322 151 51781	Resistor, 178 ohm, 1% 125mW	1
40C	2322 151 58251	Resistor, 825 ohm, 1% 125mW	1
41C	2322 151 51782	Resistor, 1K78, 1% 125mW	2



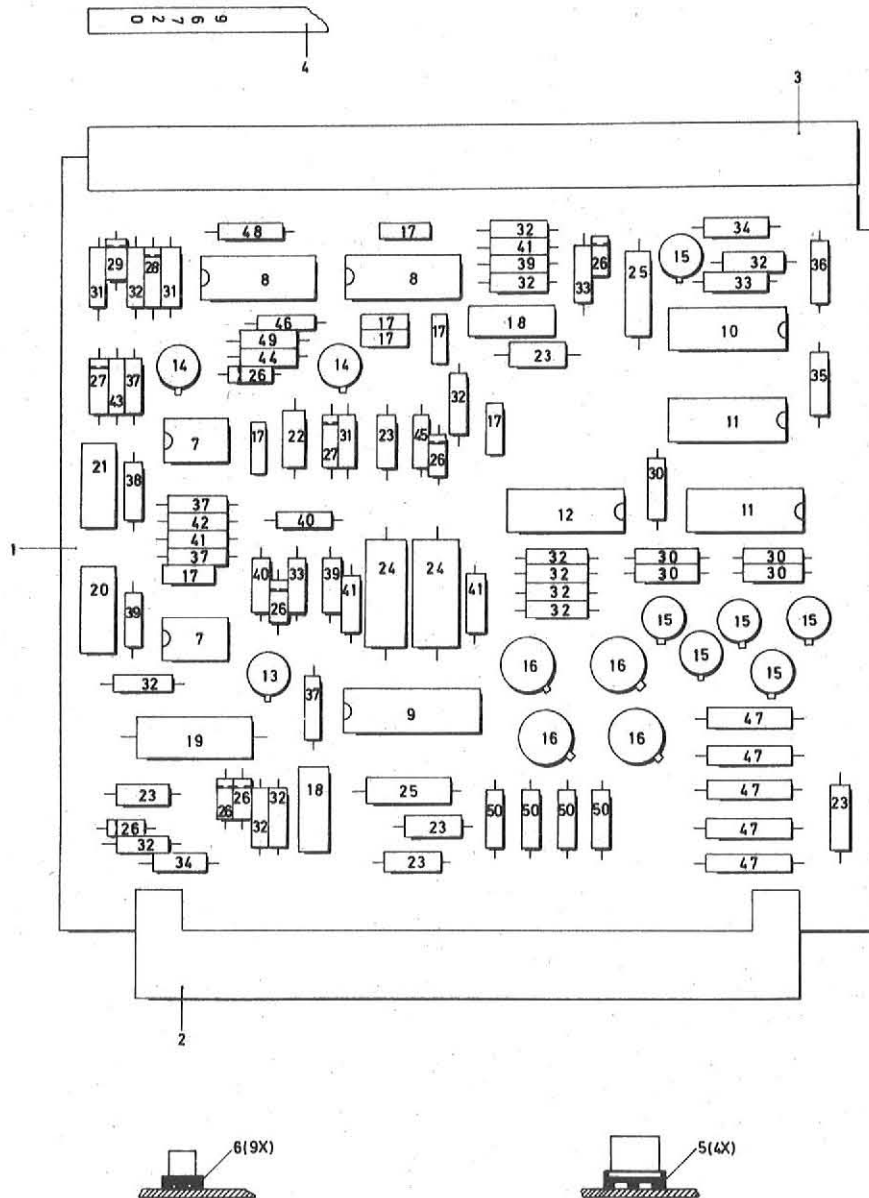
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96710	PCBA, 1A22-PA	1
1C	5122 200 36790	Board, 2123	1
2C	2422 025 89116	Connector, 64P-FO54	1
3C	4022 191 06080	Front-strip	1
4C		Text-strip	1
5C	3522 103 77401	Base, capacitor	5
6C	4322 026 71861	Foot, transistor, TO-5	1
7C	9390 155 30112	Foot, transistor, TO-18	7
8C	2413 490 00015	Foot, Integrated circuit	1
9C	5122 200 00160	Cooling fin, TO-126	2
10C	9390 154 50112	Heat-sink, TO-5	1
11C	9380 000 70000	Integrated circuit, FJH251/SN7504N	1
12C	9380 001 10000	Integrated circuit, FJL131/SN7413N	1
13C	9380 000 00000	Integrated circuit, FJH131/SN7400N	1
14C	9331 370 00112	Integrated circuit, TBA221	1
15C	9380 000 60000	Integrated circuit, FJH241/SN7404N	1
16C	9330 092 20112	Diode, BZY88-C3V3	1
17C	9331 321 30112	Diode, BZX75-C2V8	1
18C	9331 177 10112	Diode, BZX79-C4C7	1
19C	9330 092 50112	Diode, BZY88-C4V3	1
20C	9331 321 10112	Diode, BZX75-C1V4	3
21C	9331 321 40112	Diode, BZX75-C3V6	2
22C	9331 012 20112	Diode, BAW62	4
23C	9330 216 70112	Diode, BY126	2
24C	9330 458 51112	Diode, BYX36/600	2
25C	2222 629 01103	Capacitor, CER, 10nF -20/+100% 40V	5
26C	2222 629 03223	Capacitor, CER, 22nF -20/+100% 40V	1
27C	2222 344 21474	Capacitor, MPR, 047 μ F \pm 10% 100V	1
28C	2222 344 90101	Capacitor, MPR, 0,1 μ F \pm 10% 100V	5
29C	2222 143 14339	Capacitor, Electrolytic, 33 μ F \pm 20% 10V	1
30C	2222 344 21334	Capacitor, MPR, 0,33 μ F \pm 10% 100V	1
31C	2222 121 17478	Capacitor, Electrolytic, 4,7 μ F \pm 20%, 40V	1
32C	9330 978 10112	Transistor, BSW67	1
33C	9331 723 30112	Transistor, BCY59	2
34C	9330 441 00112	Transistor, BCY70	2
35C	9331 331 70112	Transistor, BSV79	3
36C	9330 912 30112	Transistor, BD140	3
37C	9330 912 20112	Transistor, BD139	2
38C	2322 151 52151	Resistor, 215 ohm, 1% 125mW	3
39C	2322 151 53161	Resistor, 316 ohm, 1% 125mW	2
40C	2322 151 54649	Resistor, 46,4 ohm, 1% 125mW	3
41C	2322 151 51001	Resistor, 108 ohm, 1% 125mW	5
42C	2322 151 58259	Resistor, 82,5 ohm, 1% 125mW	1
43C	2322 151 52612	Resistor, 2K61, 1% 125mW	1
44C	2322 151 51472	Resistor, 1K47, 1% 125mW	2
45C	2322 151 56812	Resistor, 6K81, 1% 125mW	3
46C	2322 151 51212	Resistor, 1K21, 1% 125mW	2
47C	2322 152 51003	Resistor, 10K, 1% 250mW	2
48C	2322 152 51002	Resistor, 1K, 1% 250mW	2



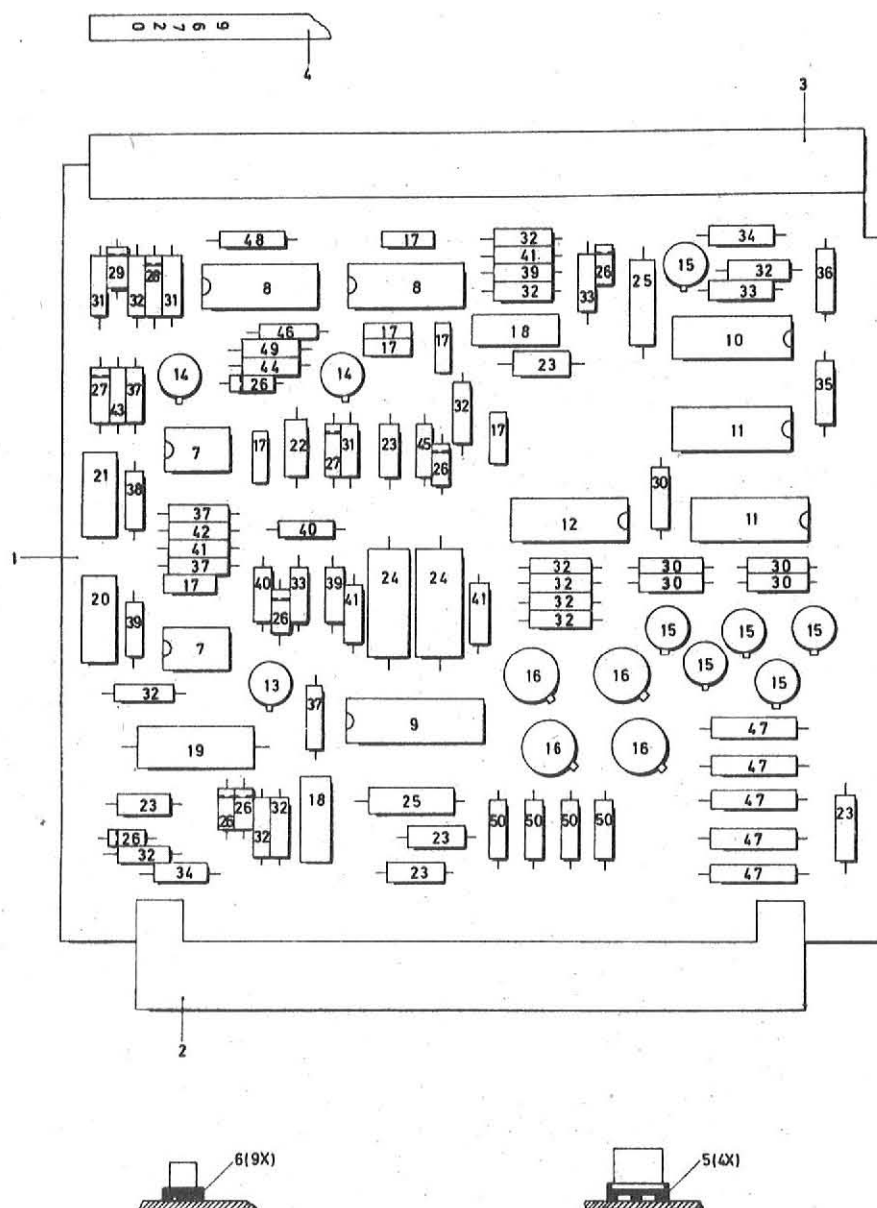
Item nr	Part number	Description	Qty. per ass'y
49C	2322 151 54641	Resistor, 464 ohm, 1% 125mW	2
50C	2322 325 37181	Resistor, 180 ohm, 5% 500mW	1
51C	2322 152 54642	Resistor, 4K64, 1% 250mW	1
51C-A	2322 151 54642	Resistor, 4K64, 1% 125mW	1
52C	2322 151 52152	Resistor, 2K15, 1% 125mW	5
53C	2322 151 54643	Resistor, 46K4, 1% 125mW	3
54C	2322 151 58252	Resistor, 8K25, 1% 125mW	1
55C	2322 151 56811	Resistor, 681 ohm, 1% 125mW	1
56C	2322 151 51009	Resistor, 10 ohm, 1% 125mW	1
57C	2322 151 53832	Resistor, 3K83, 1% 125mW	2



Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96780	PCBA 1L99	1
1C	5122 200 36860	Board, 4245	1
2C	2422 025 89116	Connector, 64-pole, F054	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44440	Text-strip 1L99	1
5C	3522 103 77401	Base, capacitor	4
6C	4332 026 10840	Key pin	1
7C	9380 000 20000	Integrated circuit, SN7402N	2
8C	9380 000 60000	Integrated circuit, SN7404N	3
9C	9380 002 70000	Integrated circuit, SN7454N	2
10C	9380 000 00000	Integrated circuit, SN7400N	3
11C	9380 004 00000	Integrated circuit, SN7486N	3
12C	9380 003 20000	Integrated circuit, SN7474N	3
13C	9380 003 60000	Integrated circuit, SN7482N	1
14C	9380 001 40000	Integrated circuit, SN7420N	1
15C	9380 014 10000	Integrated circuit, SN7419N	2
16C	9380 001 80000	Integrated circuit, SN7430N	1
17C	9380 003 30000	Integrated circuit, SN7475N	2
18C	9380 014 50000	Integrated circuit, SN74197N	2
19C	9380 003 70000	Integrated circuit, SN7483N	2
20C	2222 143 15338	Capacitor, Electrolyte Ta, 3,3 μ F, 15V, 20%	1
21C	2222 629 02103	Capacitor, CER, 10nF, -20/+100%, 40V	4

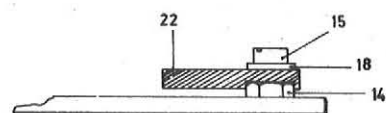
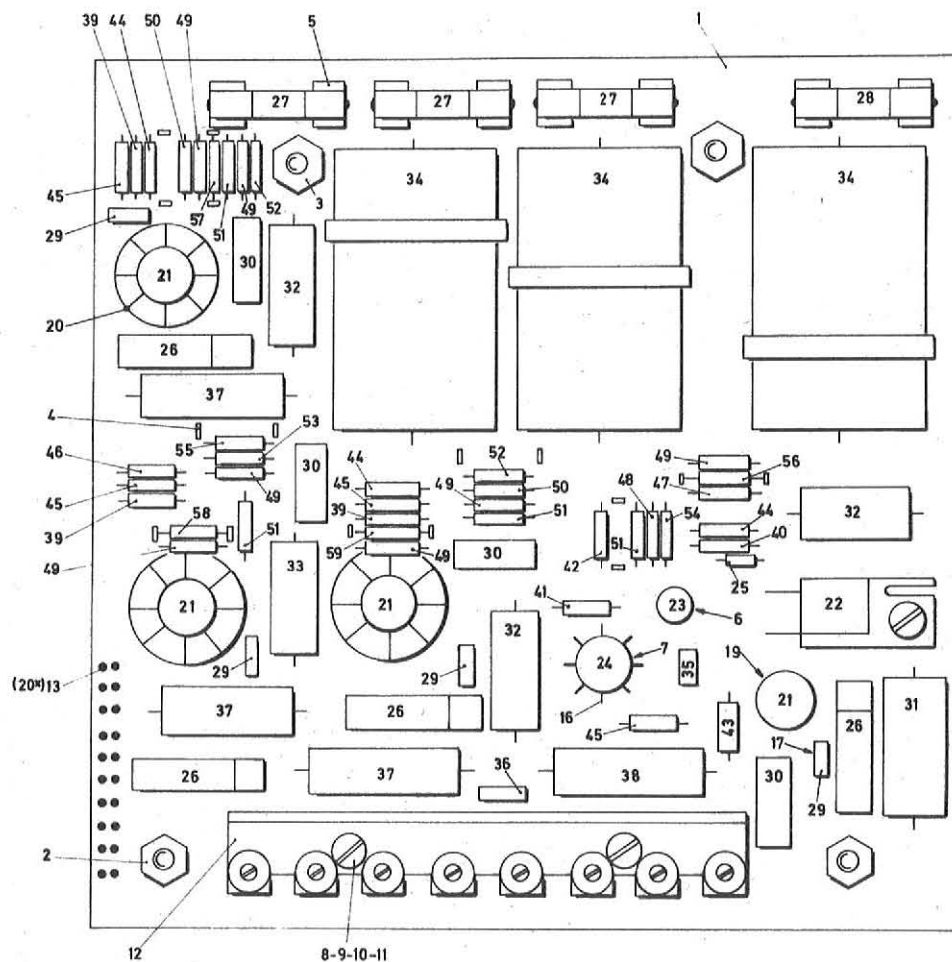


Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96720	PCBA, 1M64-LCE	1
1C	5122 200 36800	Board, 2124	1
2C	2422 025 89116	Connector, 64-pole, FO54	1
3C	4022 191 06080	Front-strip	1
4C		Text-strip	1
5C	4322 026 71861	Foot, transistor, TO-5	4
6C	9390 155 30112	Foot, transistor, TO-18	9
7C	9332 174 90682	Integrated circuit, μ A741C	2
8C	9331 648 00682	Integrated circuit, μ A710C	2
9C	9380 005 50000	Integrated circuit, SN74123N	1
10C	9380 001 10000	Integrated circuit, SN7413N	1
11C	9380 000 60000	Integrated circuit, SN7404N	2
12C	9380 000 70000	Integrated circuit, SN7405N	1
13C	9331 331 70112	Transistor, BSV79	1
14C	9330 441 00112	Transistor, BCY70	9
15C	9331 722 80112	Transistor, BCY58	6
16C	9330 978 10112	Transistor, BSW67	4
17C	2222 629 03223	Capacitor, CER, 22nF -20/+100% 40V	7
18C	2222 344 41103	Capacitor, MPR, 0,01 μ F 10% 250V	2
19C	2222 143 16101	Capacitor, Electrolyte Tant, 100 μ F 20V	1
20C	2222 344 90101	Capacitor, MPR, 0,1 μ F, 10%, 100V	1
21C	2222 344 21224	Capacitor, MPR, 0,22 μ F, 10%, 100V	1
22C	2222 143 14478	Capacitor, Electrolyte, Tant, 4,7 μ F 20% 10V	1
23C	2222 143 15338	Capacitor, Electrolyte, Tant, 3,3 μ F, 20% 15V	6
24C	2222 435 48202	Capacitor, 8,2nF, 1%, 63V	2
25C	2222 143 17688	Capacitor, Electrolyte, Tant, 6,8 μ F 20% 35V	2
26C	9331 012 20112	Diode, BAW 62	7
27C	9330 092 30112	Diode, BZY88-C3V6	2
28C	9331 321 10112	Stabistor, BZx75 - C1V4	1
29C	9331 177 10112	Diode, BZx79 - C4V7	1
30C	2322 151 56811	Resistor, 681 ohm, 1%, 125mW	5
31C	2322 151 51472	Resistor, 1K47, 1%, 125mW	3
32C	2322 151 51002	Resistor, 1K, 1%, 125mW	13
33C	2322 151 55623	Resistor, 56K2, 1%, 125mW	3
34C	2322 151 55622	Resistor, 5K62, 1%, 125mW	2
35C	2322 151 51001	Resistor, 100 ohm, 1%, 125mW	1
36C	2322 151 51212	Resistor, 1K21, 1%, 125mW	1
37C	2322 151 51003	Resistor, 10K, 1%, 125mW	4
38C	2322 151 51004	Resistor, 100K, 1%, 125mW	1
39C	2322 151 53161	Resistor, 31K6, 1%, 125mW	3
40C	2322 151 58253	Resistor, 82K5, 1%, 125mW	2
41C	2322 151 51783	Resistor, 17K8, 1%, 125mW	4
42C	2322 151 51784	Resistor, 178K, 1%, 125mW	1
43C	2322 151 53832	Resistor, 3K83, 1%, 125mW	1
44C	2322 151 56819	Resistor, 68,1 ohm, 1%, 125mW	1



Item nr	Part number	Description	Qty. per ass'y
45C	2322 151 52152	Resistor, 2K15, 1%, 125mW	1
46C	2322 151 54642	Resistor, 4K64, 1%, 125mW	1
47C	2322 152 54641	Resistor, 464 ohm, 1%, 250mW	5
48C	2322 151 52612	Resistor, 2K61, 1%, 125mW	1
49C	2322 151 51219	Resistor, 21,1 ohm, 1%, 125mW	1
50C	2322 151 52159	Resistor, 21,5 ohm, 1%, 125mW	4

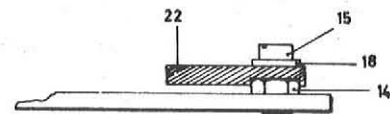
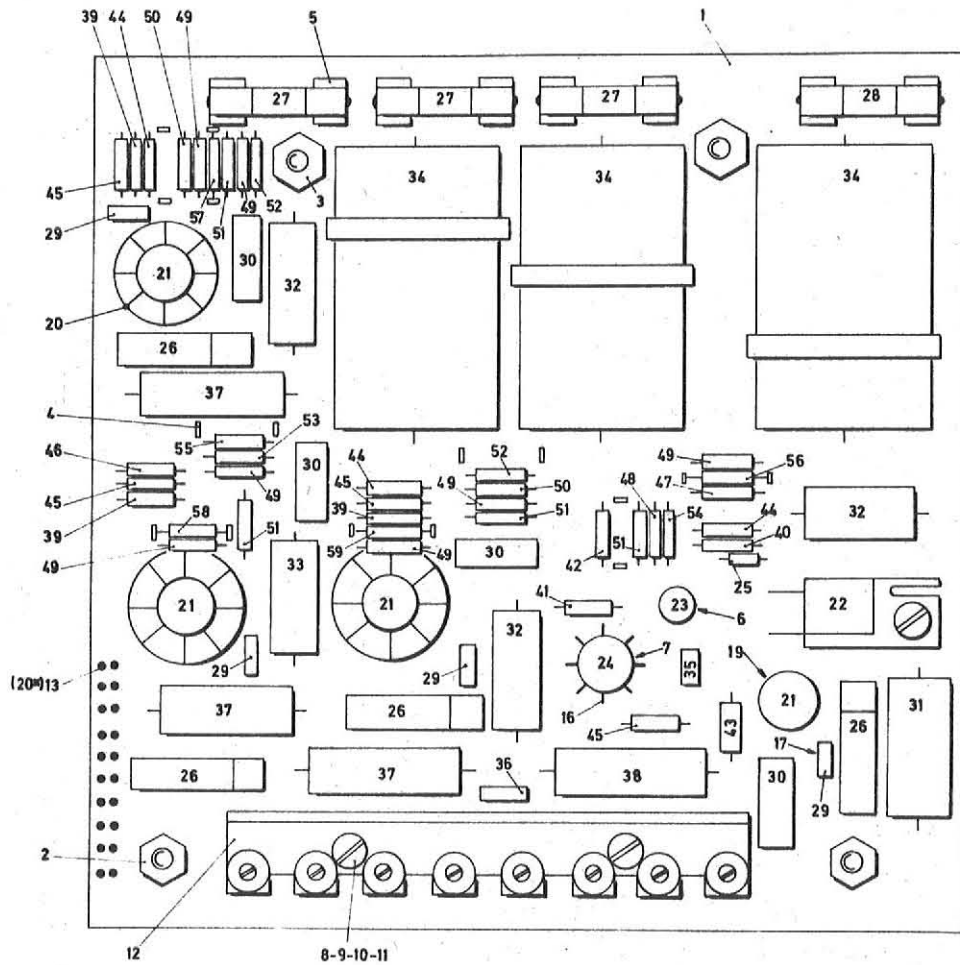
PCBA, POWER SUPPLY



PCBA, POWER SUPPLY

Item nr	Part number	Description	Qty. per ass'y
C	5122 299 97520	Frame assembly	1
D	5122 289 97290	PCBA, Power supply	1
1E	5122 200 35360	Board, supply section	1
2E	5122 200 38290	Nut, insert (long)	2
3E	5122 200 38300	Nut, insert (short)	2
4E	4322 027 65941	Solder tag, 0,9, CNW 3-4-1	16
5E	2412 088 00032	Fuse-holder	8
6E	3990 155 30112	Foot, transistor, TO-18	1
7E	4322 026 71861	Foot, transistor, TO-5	1
8E	2522 004 02028	Screw, M3x15, st.cd., cyl, NLN-B103	2
9E	2522 600 16017	Washer, 3,2x7, St.cd., UN-B050	2
10E	2522 613 03005	Washer, spring, 3,1x5,7,Cu.Sn.Cd., SN-B051 AX	2
11E	2522 401 60008	Nut, M3, HEX, St.Cd. UN-B020	2
12E	2422 013 00443	Connecting-block, 8-pole	1
13E	2422 034 10892	Pin, locking	20
14E	2522 424 02013	Nut, insert, M3x2,8, HEX, Ni.br. NLN-B024 AX	1
15E	2522 004 02024	Screw, M3x6, St.Cd., Cyl., NLN-B103	1
16E	9390 154 50112	Heat sink	1
17E	3522 103 77401	Base, capacitor	5
18E	2522 608 02001	Washer, earth, St. Cu.Ni., 3,2x6	1
19E	3122 021 52000	Base, Integrated circuit,	4
20E	2422 487 89016	Cooling plate, TO-5, TX-BF-032-025B	3
21E	9331 353 50112	Integrated circuit, TBA 281	4
22E	9330 985 80112	Thyristor, BT 100A	1
23E	9330 441 20112	Transistor, BCY 7,2	1
24E	9330 283 50112	Transistor, BSX 60	1
25E	9331 177 30112	Diode, BZx79 - C5V6	1
26E	9330 873 30112	Rectifier bridge, BY 164	4
27E	2422 086 01021	Fuse, 1A - 250V	3
28E	2422 086 01118	Fuse, 4A - 250V	1
29E	2222 630 01681	Capacitor, 680pf - 40V - 10%	4
30E	2222 344 90101	Capacitor, 0,1 μ F - 100V - 10%	4
31E	2012 001 01006	Capacitor, 100 μ F - 20V	1
32E	2012 001 00162	Capacitor, 100 μ F - 16	3
33E	2222 121 16568	Capacitor, 5,6 μ F - 25V	1
34E	2012 001 00197	Capacitor, 2200 μ F - 40V	3
35E	2222 629 01103	Capacitor, 10 nF - 40V - -20/+100%	1
36E	2222 629 03223	Capacitor, 22 nF - 40V - -20/+100%	1
37E	2322 326 51108	Resistor, 1 ohm, 2W - 10%	3
38E	5122 021 30011	Resistor, 0,22 ohm, 5W - 10%	1
39E	2322 151 55118	Resistor, 5,11 ohm - 1% - 125mW	3
40E	2322 151 51009	Resistor, 10 ohm - % - 125mW	1
41E	2322 151 52619	Resistor, 26,1 ohm - 1% - 125mW	1
42E	2322 151 58259	Resistor, 82,5 ohm - 1% - 125mW	1
43E	2322 151 51001	Resistor, 100 ohm - 1% - 125mW	1
44E	2322 151 51211	Resistor, 121 ohm - 1% - 125mW	3
45E	2322 151 51471	Resistor, 147 ohm - 1% - 125mW	4

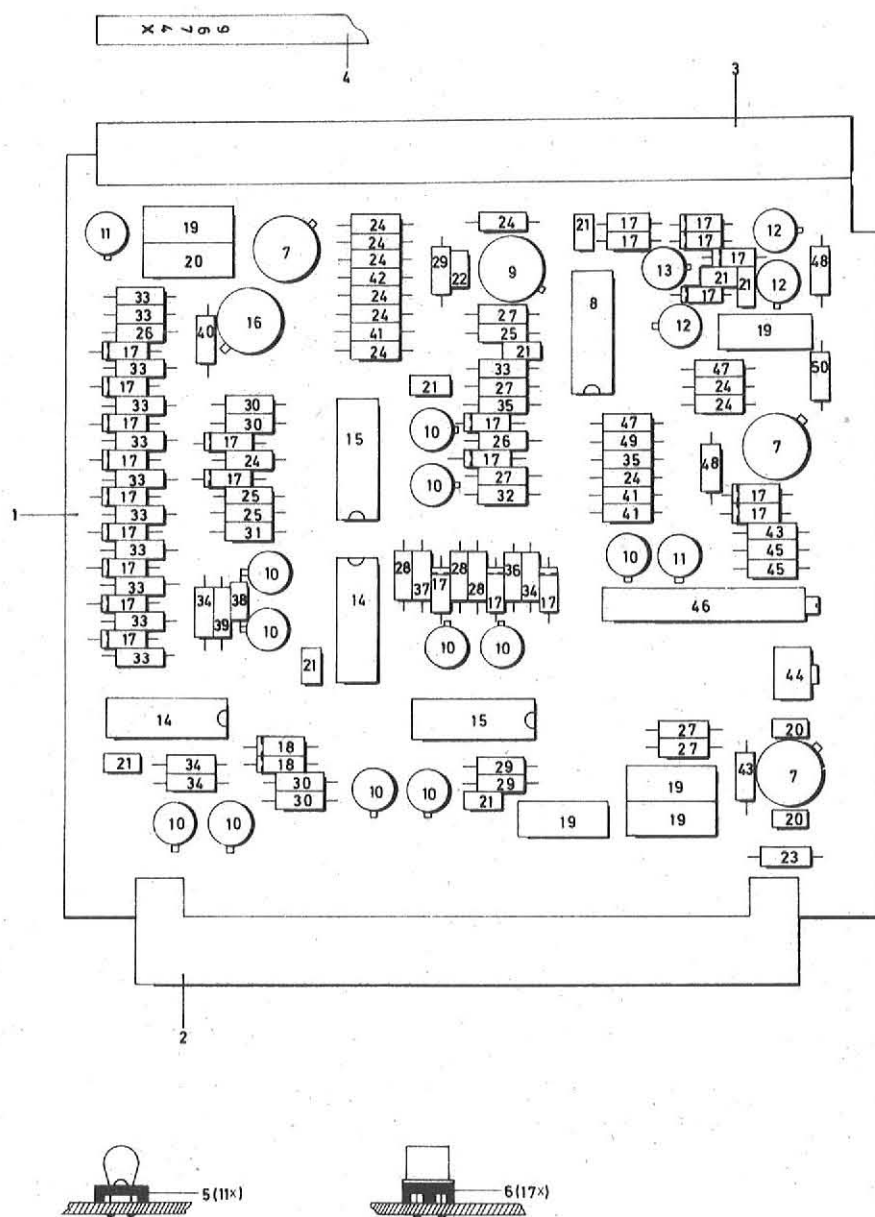
PCBA, POWER SUPPLY



PCBA, POWER SUPPLY

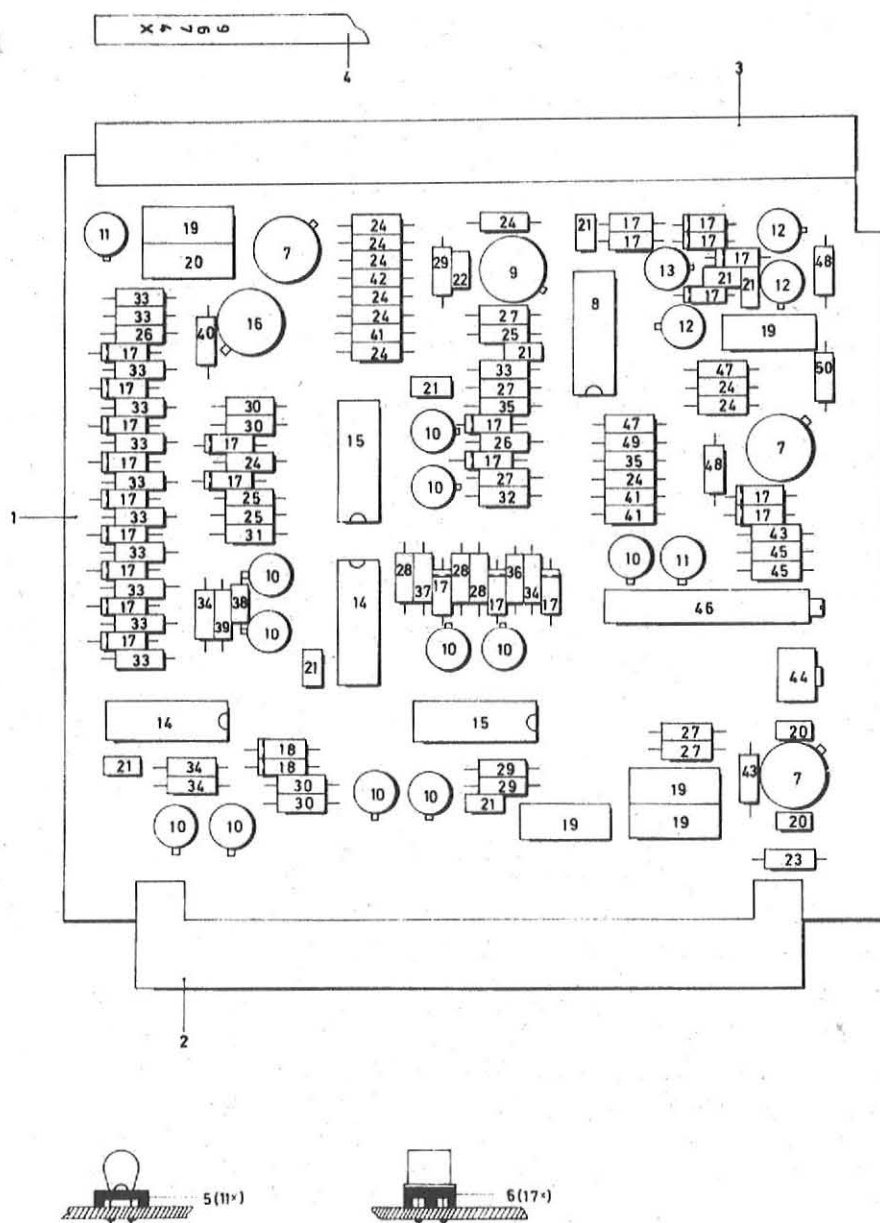
Item nr	Part number	Description	Qty. per ass'y
46E	2322 151 52151	Resistor, 215 ohm - 1% - 125mW	1
47E	2322 151 56811	Resistor, 681 ohm - 1% - 125mW	1
48E	2322 151 58251	Resistor, 825 ohm - 1% - 125mW	1
49E	2322 151 51002	Resistor, 1K - 1% - 125mW	7
50E	2322 151 51472	Resistor, 1K47 - 1% - 125mW	2
51E	2322 151 51782	Resistor, 1K78 - 1% - 125mW	4
52E	2322 151 52612	Resistor, 2K61 - 1% - 125mW	2
53E	2322 151 53832	Resistor, 3K83 - 1% - 125mW	1
54E	2322 151 54642	Resistor, 4K64 - 1% - 125mW	1
55E	2322 151 55622	Resistor, 5K62 - 1% - 125mW	1
56E	2322 151 51782	Resistor, A.R., 1K78 - 1% - 125mW	1
57E	2322 151 52152	Resistor, A.R., 2K15 - 1% - 125mW	1
58E	2322 151 52612	Resistor, A.R., 2K61 - 1% - 125mW	1
59E	2322 151 53162	Resistor, A.R., 3K16 - 1% - 125mW	1

PCBA, D-A-CONVERTER



Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 96740	PCBA, Digital-Analog-Converter	1
1C	5122 200 36821	Board	1
2C	2422 025 89116	Connector, 64-pole, FO54	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44450	Text-strip	1
5C	3522 103 77401	Base, capacitor	11
6C	9390 155 30715	Foot, transistor, TO18	17
7C	9331 370 00112	Integrated circuit, TBA221	3
8C	9380 000 60000	Integrated circuit, SN7404N	1
9C	9331 353 50112	Integrated circuit, TBA281	1
10C	9330 116 50112	Transistor, BCY56	11
11C	9330 441 20112	Transistor, BCY72	2
12C	9330 441 00112	Transistor, BCY70	3
13C	9331 331 70112	Transistor, BSV79	1
14C	9380 000 00000	Integrated circuit, SN7400N	2
15C	9380 000 10000	Integrated circuit, SN7401N	2
16C	9331 370 00112	Integrated circuit, TBA221	1
17C	9330 228 60112	Diode, BAX13	24
18C	9331 178 40112	Diode, BZX79 - C16	2
19C	2222 344 90101	Capacitor, MPR, 0,1 μ F, 10% 100V	6
20C	2222 630 01152	Capacitor, CER, 1500pF, 10% 100V	2
21C	2222 629 02103	Capacitor, CER, 10.000pF, -20/100% 40V	8
22C	2222 631 58101	Capacitor, CER, 100pF, 2% 100V	1
23C	2222 143 15338	Capacitor, Tantalum, 3,3 μ F, 20% 15V	1
24C	2322 151 54642	Resistor, 4K64, 1%, 125mW	10
25C	2322 151 56812	Resistor, 6K81, 1%, 125mW	3
26C	2322 151 51003	Resistor, 10K, 1%, 125mW	2
27C	2322 151 51213	Resistor, 12K1, 1%, 125mW	4
28C	2322 151 51473	Resistor, 14K7, 1%, 125mW	3
29C	2322 151 55622	Resistor, 5K62, 1%, 125mW	3
30C	2322 151 51782	Resistor, 1K78, 1%, 125mW	4
31C	2322 151 53161	Resistor, 316 ohm, 1%, 125mW	1
32C	2322 151 52152	Resistor, 2K15, 1%, 125mW	1
33C	2322 151 52612	Resistor, 2K62, 1%, 125mW	11
34C	2322 151 58251	Resistor, 825 ohm, 1%, 125mW	4
35C	2322 151 52613	Resistor, 26K1, 1%, 125mW	2
36C	2322 151 55623	Resistor, 56K2, 1%, 125mW	1
37C	2322 151 51004	Resistor, 100K, 1%, 125mW	1
38C	2322 151 51471	Resistor, 147 ohm, 1%, 125mW	1
39C	2322 151 51472	Resistor, 1K47, 1%, 125mW	1
40C	2322 151 52151	Resistor, 215 ohm, 1%, 125mW	1
41C	2322 151 53832	Resistor, 3K83, 1%, 125mW	3
42C	2322 151 51472	Resistor, 1K47, 1%, 125mW	1
43C	2322 151 51783	Resistor, 17K8, 1%, 125mW	2
44C	2113 375 00006	Potentiometer, 10K, 500mW	1
45C	2322 151 51009	Resistor, 10 ohm, 1%, 125mW	2
46C	2122 350 00035	Potentiometer, 1K, 1W	1
47C	2322 151 54643	Resistor, 46K4, 1% 125mW	2

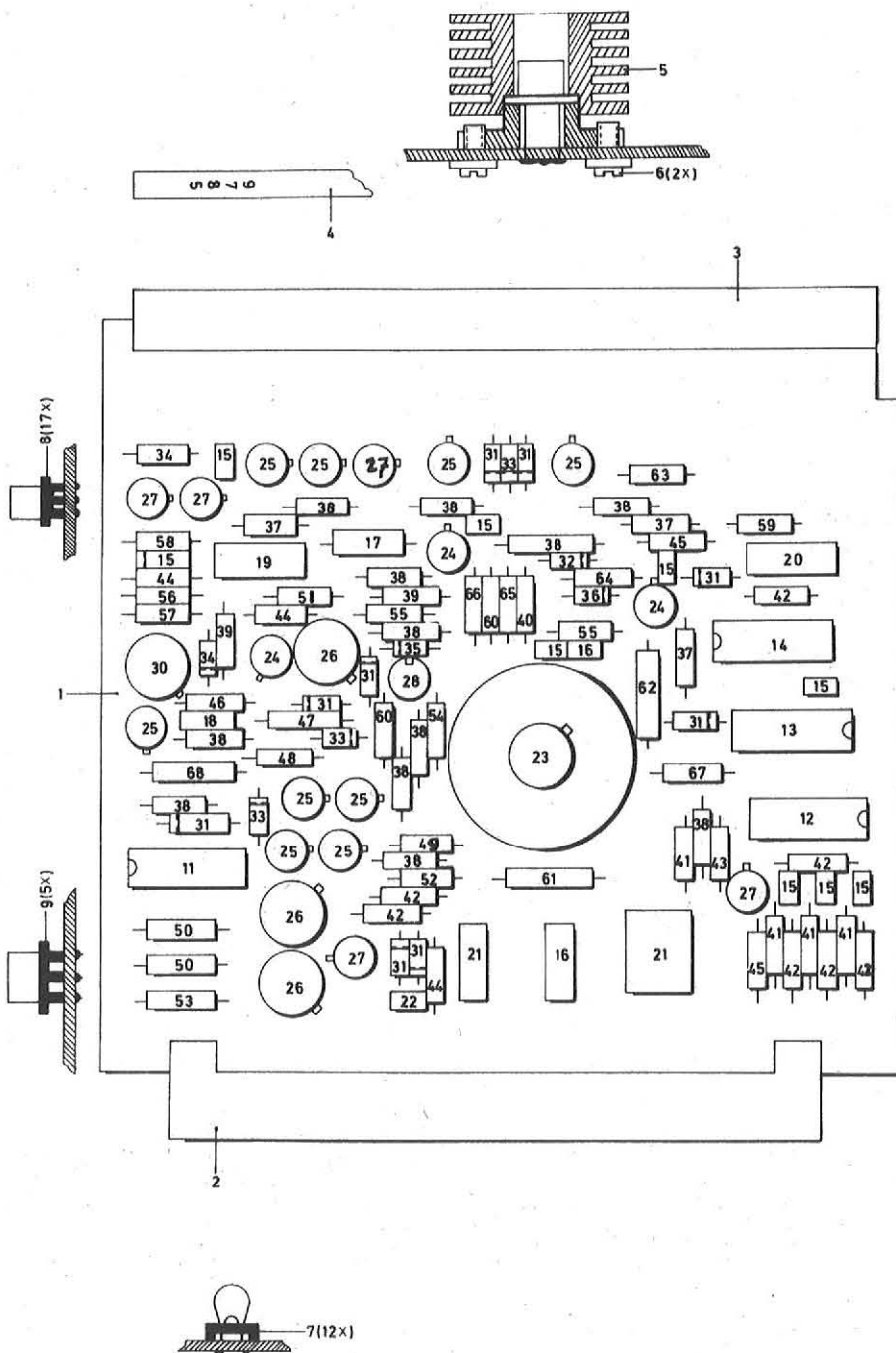
PCBA, D-A-CONVERTER



PCBA, D-A-CONVERTER

Item nr	Part number	Description	Qty. per ass'y
48C	2322 151 51212	Resistor, 1K21, 1%, 125mW	2
49C	2322 151 51002	Resistor, 1K, 1%, 125mW	1
50C	2322 151 51001	Resistor, 100 ohm, 1%, 125mW	50

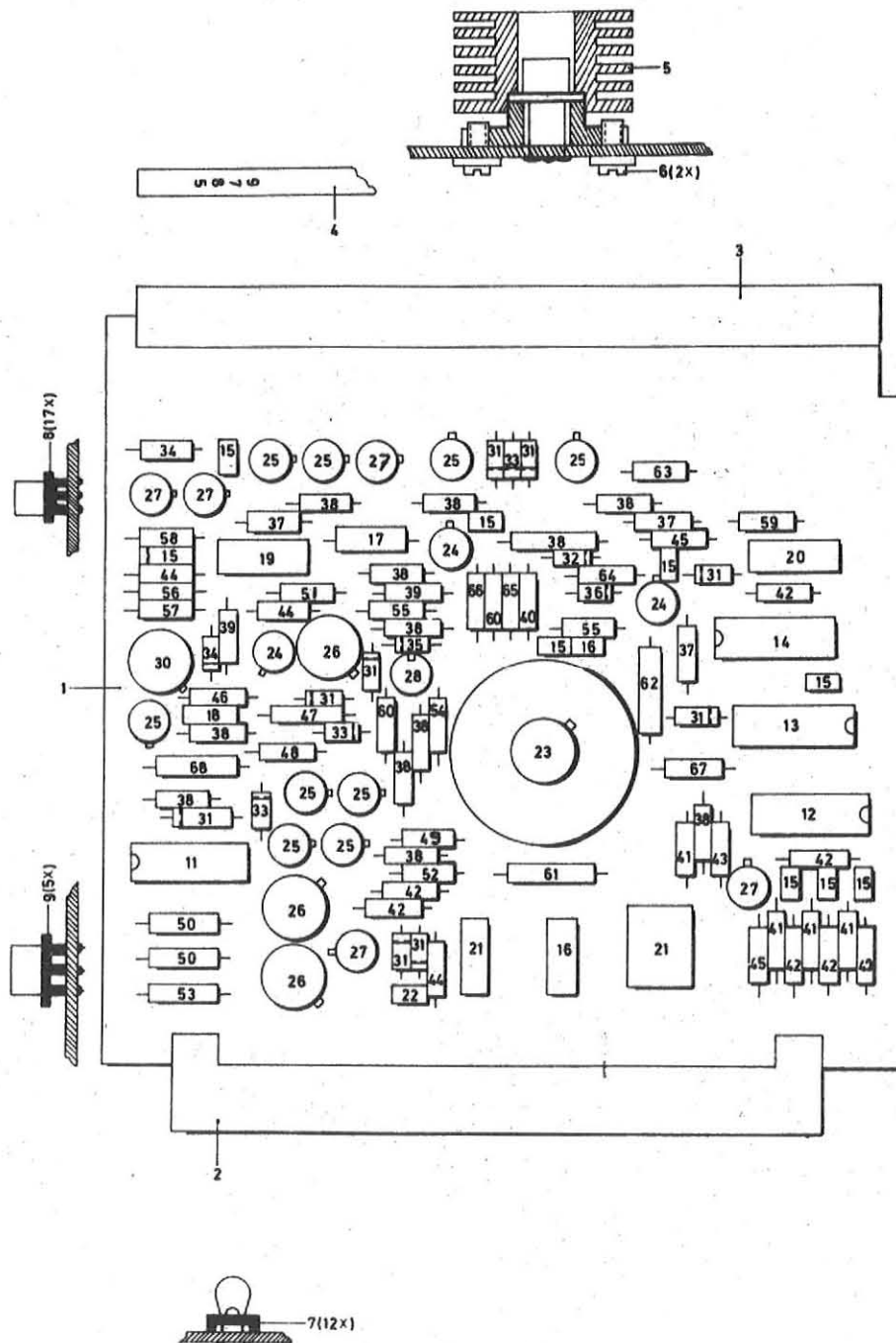
PCBA WRITE CIRCUITS - 1A24



PCBA WRITE CIRCUITS-1A24

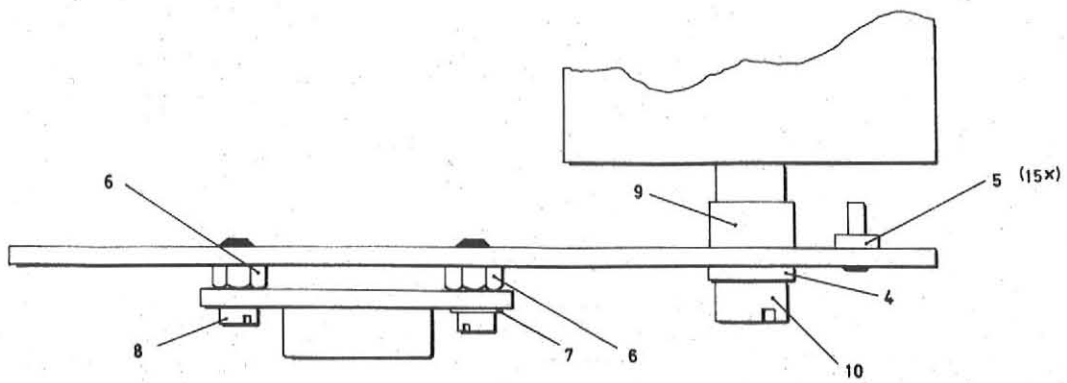
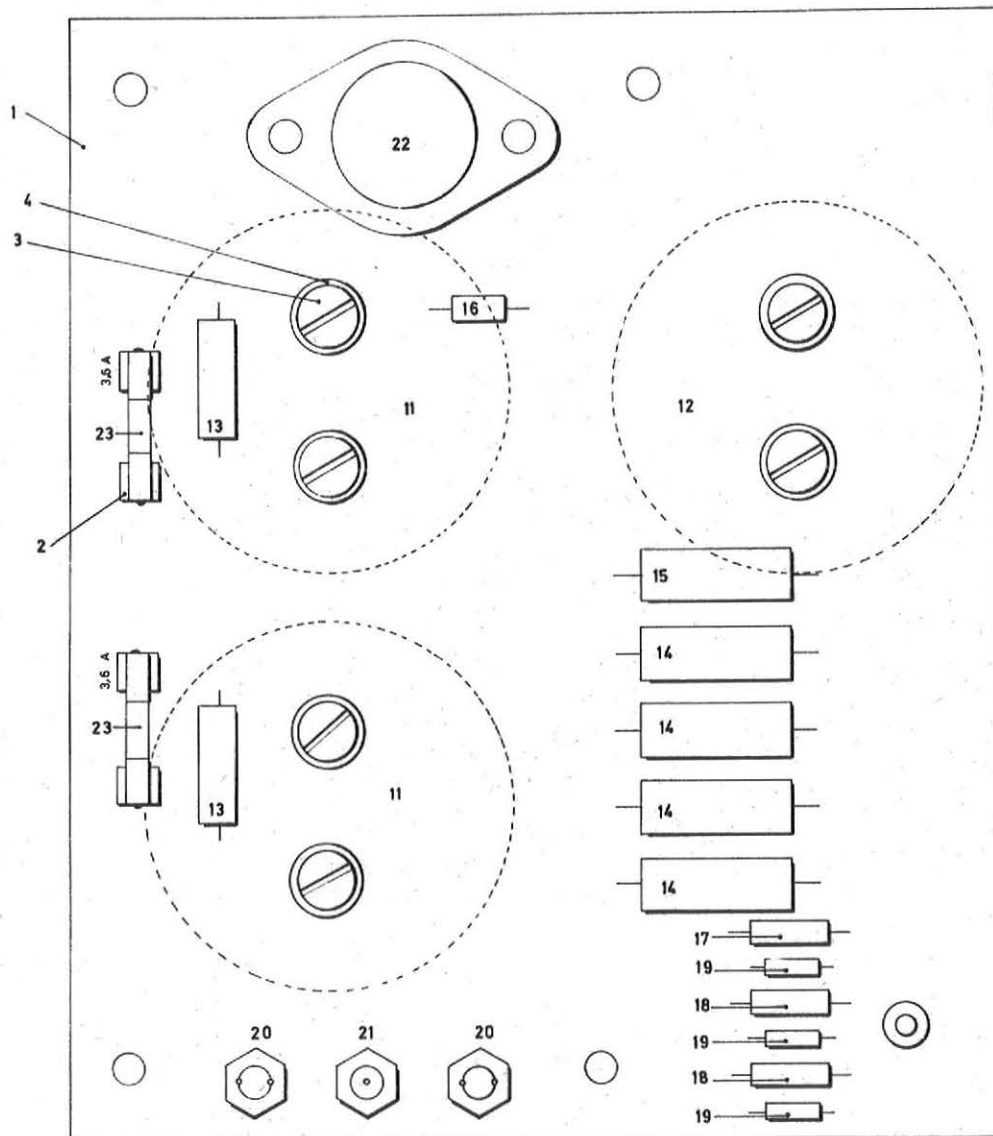
Item nr	Part number	Description	Qty. per ass'y
A	5122 299 13700	Final assembly	1
B	5122 289 97850	PCBA, write circuits - 1A24	1
1C	5122 200 10590	Board, 2074	1
2C	2422 025 89116	Connector, 64-pole, F054	1
3C	4022 191 06080	Front-strip	1
4C	5122 200 44410	Text-strip	1
5C	2411 499 02017	Heat sink, CO 180 A	1
6C	2522 601 08776	Screw, M2,5x4, Cyl., Ms.Ni.UN-B054	2
7C	3522 103 77401	Base, capacitor	12
8C	9390 155 30112	Foot, transistor, T018	17
9C	9390 620 70682	Foot, transistor, T05	5
10C	2422 034 10892	Pin, locking	1
11C	9380 003 20000	Integrated circuit, SN7474N	1
12C	9380 004 00000	Integrated circuit, SN7486N	1
13C	9380 002 70000	Integrated circuit, SN7454N	1
14C	9380 011 20000	Integrated circuit, SN74122N	1
15C	2222 629 01103	Capacitor, CER, 10nF, -20/100% 40V	9
16C	2222 631 58101	Capacitor, CER, 100pF, 2% 100V	1
16C-A	2222 344 21224	Capacitor, MPR, 220nF, 10% 100V	1
17C	2222 143 16159	Capacitor, Electrolyte, 15 μ F, 20%, 20V	1
18C	2222 629 03223	Capacitor, CER, 22nF, -20/100% 40V	1
19C	2222 344 41153	Capacitor, MPR, 15nF, 10% 250V	1
20C	2222 344 41223	Capacitor, MPR, 22nF, 10% 250V	1
21C	2222 344 90101	Capacitor, MPR, 100nF, 10% 100V	3
22C	2222 630 01122	Capacitor, CER, 1,2nF, 10% 100V	1
23C	9330 978 00112	Transistor, BSW 66	1
24C	9330 116 50112	Transistor, BCY 56	2
25C	9330 219 20112	Transistor, BSX 20	10
26C	9330 328 60112	Transistor, 2N2904A	1
26C-A	9330 283 60112	Transistor, BSX 61	2
27C	9330 441 00112	Transistor, BCY 70	3
28C	9330 441 20112	Transistor, BCY 72	1
29C	9330 390 80682	Transistor, BSX 29	1
30C	9330 328 60112	Transistor, 2N2904A	1
31C	9331 012 20112	Diode, BAW 62	9
32C	9331 177 20112	Diode, BZX 79 - C5V1	1
33C	9331 177 10112	Diode, BZX 79 - C4V7	3
34C	9331 185 60112	Diode, BAV 10	1
35C	9331 177 90112	Diode, BZX 79 - C10V	1
36C	9331 042 10112	Diode, AAZ 18	1
37C	2322 151 58251	Resistor, 1825 ohm, 1% 125mW	3
38C	2322 151 51002	Resistor, 1K, 1%, 125mW	12
39C	2322 151 52612	Resistor, 2K61, 1%, 125mW	2
40C	2322 151 56812	Resistor, 6K81, 1%, 125mW	1
41C	2322 151 54649	Resistor, 46,4 ohm, 1%, 125mW	4
42C	2322 151 51003	Resistor, 10K, 1%, 125mW	7
43C	2322 151 54641	Resistor, 464 ohm, 1%, 125mW	1
44C	2322 151 55622	Resistor, 5K62, 1%, 125mW	3
45C	2322 151 52152	Resistor, 2K15, 1%, 125mW	2

PCBA, WRITE CIRCUITS - 1A24



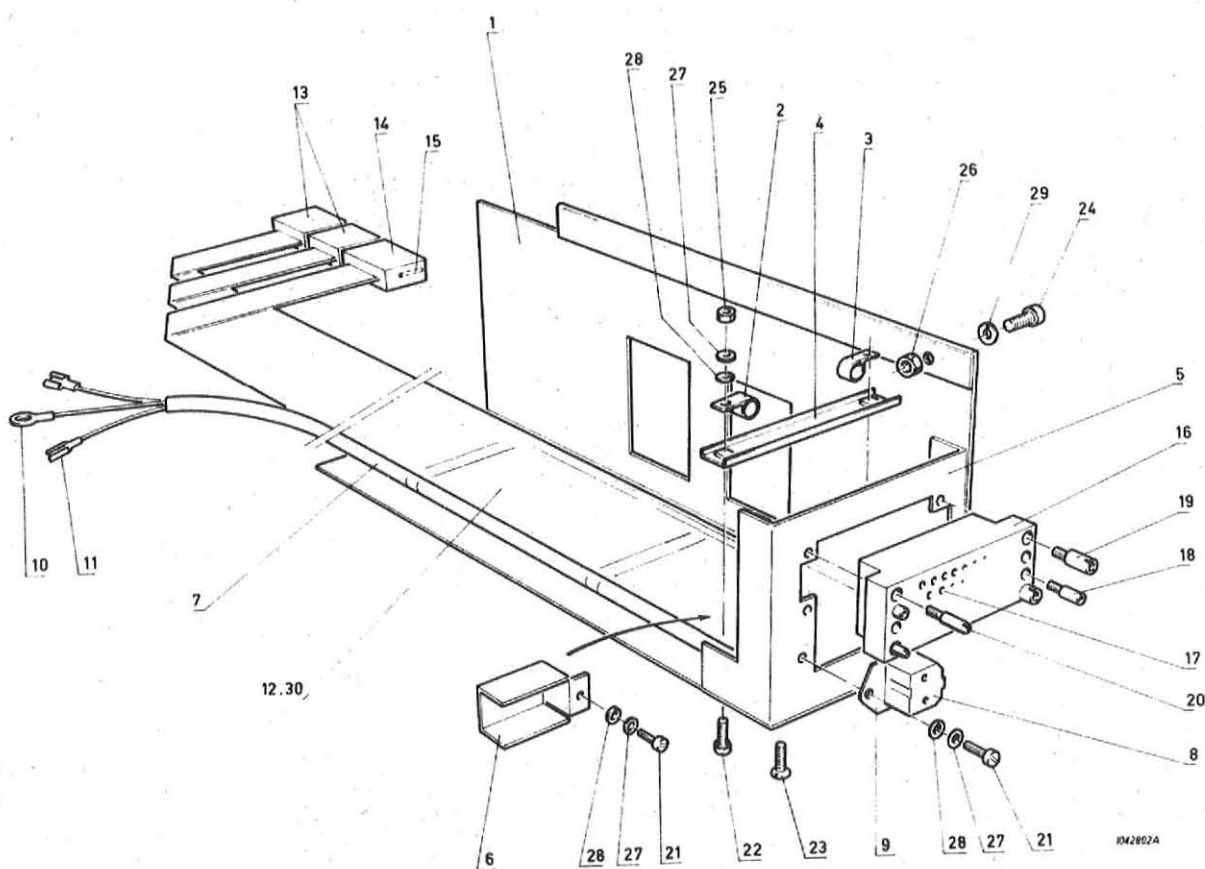
Item nr	Part number	Description	Qty. per ass'y
46C	2322 151 53482	Resistor, 3K48, 1%, 125mW	1
47C	2322 152 51961	Resistor, 196 ohm, 1%, 250mW	1
48C	2322 151 53831	Resistor, 383 ohm, 1%, 125mW	1
49C	2322 151 54221	Resistor, 422 ohm, 1%, 125mW	1
50C	2322 152 51472	Resistor, 1K47, 1%, 250mW	2
51C	2322 151 56819	Resistor, 68,1 ohm, 1%, 125mW	1
52C	2322 151 55621	Resistor, 562 ohm, 1%, 125mW	1
53C	2322 152 58259	Resistor, 82,5 ohm, 1%, 250mW	1
54C	2322 151 52372	Resistor, 2K37, 1%, 125mW	1
55C	2322 151 56811	Resistor, 681 ohm, 1%, 125mW	2
56C	2322 151 54643	Resistor, 46K4, 1%, 125mW	1
57C	2322 151 53162	Resistor, 3K16, 1%, 125mW	1
58C	2322 151 55629	Resistor, 56,2 ohm, 1%, 125mW	1
59C	2322 151 58251	Resistor, 825 ohm, 1%, 125mW	1
60C	2322 151 58252	Resistor, 8K25, 1%, 125mW	2
61C	2322 152 55621	Resistor, 562 ohm, 1%, 250mW	1
62C	2322 152 53831	Resistor, 383 ohm, 1%, 250mW	1
63C	2322 151 54871	Resistor, 487 ohm, 1%, 125mW	1
64C	2322 151 52152	Resistor, 2K15, 1%, 125mW	1
65C	2322 151 52153	Resistor, 21K5, 1%, 125mW	1
66C	2322 151 51003	Resistor, 10K, 1%, 125mW	1
67C	2322 151 51782	Resistor, 1K78, 1%, 125mW	1
68C	2322 152 53161	Resistor, 316 ohm, 1%, 250mW	1

PCBA, DRIVER



Item nr	Part number	Description	Qty. per ass'y
C	5122 289 97520	Frame assy	1
D	5122 289 96480	PCBA, driver	1
1E	5122 200 36450	Board, driver	1
2E	2412 088 00032	Fuse-holder	4
3E	2522 004 02054	Screw, M5x10, cyl., NLN-B103	4
4E	2522 608 02003	Washer, Earth, NLN-BO44	6
5E	2413 015 00323	Pin, connecting	15
6E	2522 424 02015	Nut, insert, M3x2,8, HEX., NLN-BO24AX	2
7E	2522 608 02001	Washer, earth, 3,2x6, St.Cu.Ni.,NLN-BO44	1
8E	2522 004 02024	Screw, M3x6, cyl., NLN-B103	2
9E	5122 200 39020	Washer	2
10E	2522 004 02056	Screw, M5x15, cyl., NLN-B103	2
11E	2222 106 17153	Capacitor, 15000 μ F -40V	2
12E	2222 106 15223	Capacitor, 22000 μ F -16V	1
13E	2322 325 37152	Resistor, 1K5, 4W, 5%	2
14E	2322 326 51337	Resistor, 0,33 ohm, 2W, 10%	4
15E	2322 325 37279	Resistor, 27 ohm, 4W, 5%	1
16E	2322 151 51001	Resistor, 100 ohm, 125mW, 1%	1
17E	2322 152 53161	Resistor, 316 ohm, 250mW, 1%	1
18E	2322 152 51212	Resistor, 1K21, 250mW, 1%	2
19E	9330 548 70112	Diode, BYX36 - 300R	3
20E	9330 071 70112	Thyristor, BTY79 - 400R	2
21E	9330 096 90112	Diode, BZZ16	1
22E	9330 226 60112	Transistor, 2N3442	1
23E	2422 086 00053	Fuse, 6,3A - 250V	2

CONNECTING CABLE



CONNECTING CABLE

Item nr	Part number	Description	Qty. per assy
A	5122 299 13700	Final assembly	1
B	5122 289 98000	Connecting cable	1
1C	5122 200 38440	Plate	1
2C	2413 015 00137	Cable clamp 4,8	2
3C	2413 015 00141	Cable clamp 6,4	2
4C	5122 289 97450	Clamping piece	1
5C	5122 289 97470	Plate	1
6C	5122 289 98740	Screening cap	1
7C	5122 289 97980	Power cable	1
8D	2422 025 01231	Connector, 3 pins	1
9D	2422 032 00856	Bracket	1
10D	2422 015 02156	Eye cable tag	1
11D	2422 015 02862	Slide contact	2
12C	5122 289 97990	Interface cable, assy	1
13D	2422 034 10794	Connector, 20 pins	2
14D	2422 034 10793	Connector, 26 pins	1
15D	2422 034 10788	Socket connector	66
16D	2422 032 00199	Connecting block	1
17D	2422 034 00087	Socket connector	66
18D	2422 032 00176	Locking screw	2
19C	2422 032 00183	Bush	2
20C	2422 034 10064	Pin	2
21C	2522 004 02024	Screw, M3x6	3
22C	2522 004 02027	Screw, M3x12	2
23C	2522 018 01025	Countersunk, screw M3x8	2
24B	2522 004 02042	Screw, M4x12	2
25C	2522 401 60008	Nut, M3	4
26B	2522 401 60011	Nut, M4	2
27C	2522 600 16017	Washer, M3	7
28C	2522 613 01005	Spring ring	6
29B	2522 613 03009	Spring ring	2
30D	5122 021 70021	Cable, tape, 48 pole	1

